

**SONY®**

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DIGITAL VIDEO CAMERA

**DXC-D30WS**

**DXC-D30WSP**

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**SERVICE MANUAL**

Vol. 2 (1st Edition)

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**Power HAD WS**

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### CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the manufacturer.  
Dispose of used batteries according to the manufacturer's instructions.

### ADVARSEL

Lithiumbatteri - Eksplosjonsfare.  
Ved utskifting benyttes kun batteri som anbefalt av apparatfabrikanten.  
Brukt batteri returneres apparatleverandøren.

### Vorsicht!

Explosionsgefahr bei unsachgemäßem Austausch der Batterie.

Ersatz nur durch denselben oder einen vom Hersteller empfohlenen ähnlichen Typ.  
Entsorgung gebrauchter Batterien nach Angaben des Herstellers.

### VARNING

Explosionsfara vid felaktigt batteribyte.  
Använd samma batterityp eller en likvärdig typ som rekommenderas av apparattillverkaren.  
Kassera använt batteri enligt gällande föreskrifter.

### ATTENTION

Il y a danger d'explosion s'il y a remplacement incorrect de la batterie.

Remplacer uniquement avec une batterie du même type ou d'un type équivalent recommandé par le constructeur.

Mettre au rebut les batteries usagées conformément aux instructions du fabricant.

### VAROITUS

Paristo voi räjähtää jos se on virheellisesti asennettu.  
Vaihda paristo ainoastaan laitevalmistajan suosittelemaan tyyppiin.  
Hävitä käytetty paristo valmistajan ohjeiden mukaisesti.

### ADVARSEL!

Lithiumbatteri-Eksplosionsfare ved fejlagtig håndtering.

Udskiftning må kun ske med batteri af samme fabrikat og type.  
Levér det brugte batteri tilbage til leverandøren.



# MANUAL STRUCTURE

## Introducing this manual

This manual is the Service Manual Vol. 2 of the DIGITAL VIDEO CAMERA DXC-D30WS and DXC-D30WSP.

This manual contains the following items.

## Related manuals

In addition to this Service Manual Vol. 2, the following manuals are provided.

- **Service Manual Vol. 1**

Part No. 9-977-326-11

Contains the operation manual related to the operations of this equipment, the replacement of the parts and adjustments.

- **Service Manual DXF-701/701CE/701WS/701WSCE**

Part No. 9-977-265-02

See the DXF-701/701CE/701WS/701WSCE service manual available separately.

- **Service Manual VCT-U14**

Part No. 9-977-221-01

See the VCT-U14 service manual available separately.

- **Service Manual VCL-918BY**

Part No. 9-977-329-01

See the VCL-918BY service manual available separately.



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## SECTION 4

### SEMICONDUCTOR PIN ASSIGNMENTS

ここに記載されている半導体は、それぞれの機能を等価的に表したものです。なお、互換性のない型名を併記していることがありますので、部品を交換するときは、Spare Partsの章を参照してください。

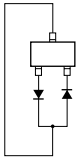
等価回路はICメーカーのデータブックに従いました。

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

DIODE	Page	TRANSISTOR	Page	IC	Page	IC	Page
1SS123-T1 .....	4-2	2SA1162-G .....	4-2	74AC04SJX .....	4-3	SN74HCT244APW-E05 ...	4-15
1SS226 .....	4-2	2SA1213Y-TE12L .....	4-2			SN74LS123NS-E05 .....	4-16
		2SA1226-T1E3E4 .....	4-2	AT27C256R-15RC .....	4-3	SN74LVC00APW-E05 ...	4-14
HSM107S-TL .....	4-2	2SA1576A-T106-QR .....	4-2			SN74LVC821APW-E05 ...	4-16
HSM88AS-TL .....	4-2	2SA1610-T1Y34 .....	4-2	BA10358F-E2 .....	4-4		
HSM88WA-TL .....	4-2	2SA1611-T1M6 .....	4-2			TC4051BFS(EL) .....	4-16
HSM88WK-TL .....	4-2	2SA812-T1-M5M6 .....	4-2	CX22017-TH .....	4-4	TC4052BFS(ELQ) .....	4-17
		2SB624T1-BV345 .....	4-2	CXA1393AN-T4 .....	4-4	TC4053BFS-EL .....	4-17
MA132WK-TX .....	4-2	2SB798-DL .....	4-2	CXD1095AR .....	4-4	TC4S66F(TE85R) .....	4-17
MA133-TX .....	4-2	2SC1009A-T1FA4 .....	4-2	CXD1171M-TH .....	4-5	TC4S69F(TE85R) .....	4-13
MA3J142D0LSO .....	4-2	2SC1623-T1-L6 .....	4-2	CXD1216M-TH .....	4-5	TC4W53FU(TE12R) .....	4-17
MA3J142E0LSO .....	4-2	2SC2873Y-TE12L .....	4-2	CXD1217Q-T4 .....	4-8	TC4W66FU(TE12R) .....	4-17
MA3J14300LSO .....	4-2	2SC4081T106R .....	4-2	CXD2131Q-T4 .....	4-6	TC74HC4053AFS-EL ...	4-17
MPG3371X-150 .....	4-2	2SC4176-T1B34 .....	4-2	CXD2307R-T6 .....	4-6	TC74HC4538AFS-EL ...	4-18
MPR3371X-150 .....	4-2	2SC4177-T1L5L6 .....	4-2	CXD2310AR-T4 .....	4-7	TC74VHC02FS(EL) .....	4-18
		2SC4178-T1F13 .....	4-2	CXD8095Q .....	4-10	TC74VHC04FS(EL) .....	4-3
RB411D-T146 .....	4-2	2SD1623-S .....	4-2	CXK1203AR-T4 .....	4-7	TC74VHC157FS(EL) .....	4-18
RD2.0UH-T1 .....	4-2	2SD596T1-DV345 .....	4-2	CXK58257CTM-70LL-T6 ...	4-9	TC74VHC165FS(EL) .....	4-15
RD2.4UH-T1 .....	4-2	2SK853-T1K5 .....	4-2			TC74VHC573FS(EL) .....	4-18
RD4.3UH-T1 .....	4-2	2SK94-T1X2X3X4 .....	4-2	HD151015TEL .....	4-11	TC74VHC574FS(EL) .....	4-15
						TC74VHC74FS(EL) .....	4-18
SB10-05PCP-TD .....	4-2	NJL5183KA-F20-TE1 .....	4-2	LM35DMX .....	4-11	TC74VHC86FS(EL) .....	4-15
U05G .....	4-2	SST211 .....	4-2	LM4040AIM3-2.5 .....	4-11	TC7S00FU(TE85R) .....	4-19
				LT1253CS8-E2 .....	4-11	TC7S04F(TE85R) .....	4-13
		XN4312-TW .....	4-2			TC7S04FU(TE85R) .....	4-13
		XN4601-TW .....	4-2	M5237ML-TP1 .....	4-11	TC7S08F(TE85R) .....	4-18
		XN6401-TW .....	4-2	M62352GP-75ED .....	4-12	TC7S08FU(TE85R) .....	4-18
		XN6435-TW .....	4-2	MAX202CSE-TE2 .....	4-11	TC7S32FU(TE85R) .....	4-19
		XN6501-TW .....	4-3	MB88351PFV-ER .....	4-12	TC7S86F(TE85R) .....	4-19
		XN6534-TW .....	4-3			TC7SH00FU-TE85R .....	4-19
				NJM1496V-TE2 .....	4-13	TC7SH04FU-TE85R .....	4-13
				NJM2043M-D-TE2 .....	4-13	TC7SH08FU-TE85R .....	4-18
				NJM2903V(TE2) .....	4-13	TC7SH32FU-TE85R .....	4-19
						TC7SU04F(TE85R) .....	4-13
				QL12X16B-XPF100C .....	4-13	TC7W00FU(TE12R) .....	4-19
						TC7W04FU(TE12R) .....	4-19
				RTC-4553B-L2 .....	4-14	TC7W08FU(TE12R) .....	4-19
						TC7W74F(TE12R) .....	4-19
				S-8054HN-CB-T1 .....	4-13	TC7W74FU(TE12R) .....	4-19
				SC7S04F(TE85R) .....	4-13	TL062CPW-E05 .....	4-13
				SN74HC00APW-E05 .....	4-14	TL064CPW-ELL2000 .....	4-13
				SN74HC04APW-E05 .....	4-3	TLC2932IPW-E20 .....	4-20
				SN74HC08APW-E05 .....	4-14		
				SN74HC163APW-E05 ...	4-14	UPC311G2-E2 .....	4-19
				SN74HC165ANS-E05 ...	4-15	UPC358G2-E2 .....	4-4
				SN74HC165APW-E05 ...	4-15	UPC812G2-T2 .....	4-13
				SN74HC175APW-E05 ...	4-14	UPD16502GS-E2 .....	4-20
				SN74HC244APW-E05 ...	4-15	UPD6453GT-658-E2 .....	4-21
				SN74HC32APW-E05 .....	4-15		
				SN74HC574APW-E05 ...	4-15	X24645S8C7000 .....	4-20
				SN74HC595ADB-E05 ...	4-16	X24C02S-3.0-C7000 .....	4-20
				SN74HC595ANS-E05 ...	4-16	XRD7523AID-JTR .....	4-12
				SN74HCT08APW-E05 ...	4-14		

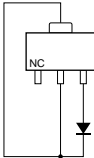
DIODE

-TOP VIEW-



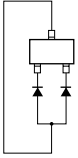
1SS226  
1SS123-T1  
HSM107S-TL  
HSM88AS-TL  
MA133-TX  
MA3J14300LSO

-TOP VIEW-

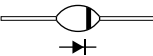


SB10-05PCP-TD

-TOP VIEW-

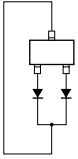


HSM88WA-TL  
MA3J142D0LSO

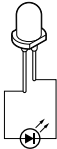


U05G

-TOP VIEW-



HSM88WK-TL  
MA132WK-TX  
MA3J142E0LSO



MPG3371X-150 ; GREEN  
MPR3371X-150 ; RED

-TOP VIEW-



RB411D-T146

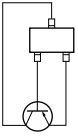
-TOP VIEW-



RD2.0UH-T1  
RD2.4UH-T1  
RD4.3UH-T1

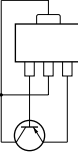
TRANSISTOR

-TOP VIEW-



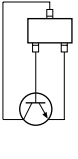
2SA1162-G  
2SA812-T1-M5M6  
2SA1226-T1E3E4  
2SA1576A-T106-QR  
2SA1610-T1Y34  
2SA1611-T1M6  
2SB624T1-BV345

-TOP VIEW-



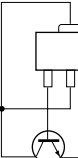
2SB798-DL  
2SA1213Y-TE12L

-TOP VIEW-



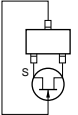
2SC1009A-T1FA4  
2SC1623-T1-L6  
2SC4081T106R  
2SC4176-T1B34  
2SC4177-T1L5L6  
2SC4178-T1F13  
2SD596T1-DV345

-TOP VIEW-



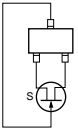
2SD1623-S  
2SC2873Y-TE12L

-TOP VIEW-



2SK853-T1K5

-TOP VIEW-

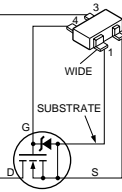


2SK94-T1X2X3X4

TOP VIEW



NJL5183KA-F20-TE1



SST211

-TOP VIEW-



XN4312-TW



-TOP VIEW-



XN4601-TW



-TOP VIEW-

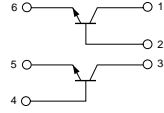
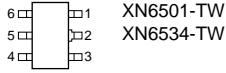


XN6401-TW  
XN6435-TW



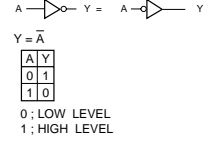
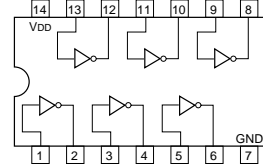
IC

-TOP VIEW-



74AC04SJX (NS)FLAT PACKAGE  
SN74HC04APW-E05 (TI)FLAT PACKAGE  
TC74VHC04FS(EL) (TOSHIBA)FLAT PACKAGE(SMALL)

C-MOS HEX INVERTERS  
-TOP VIEW-

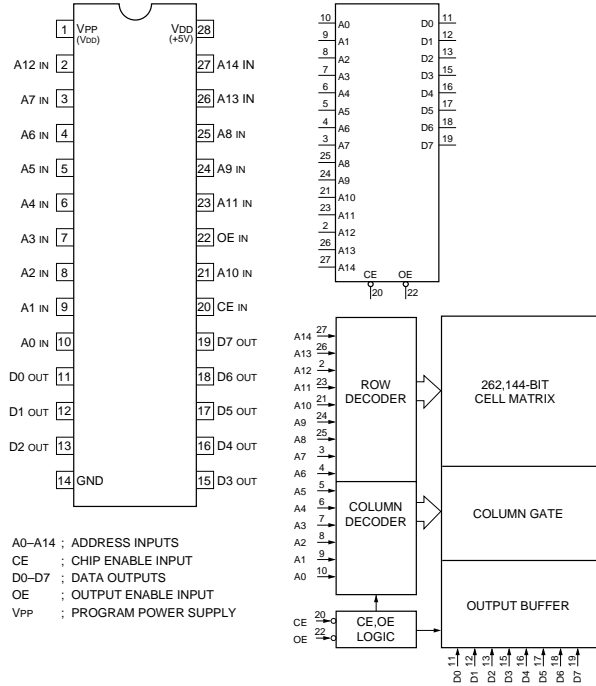


NOTE:

TYPE	VDD
74AC/74VHC/74VHCT	+2 to +5.5V
74ACT/74HCT	+4.5 to +5.5V
74LCX	+2 to +3.6V
OTHER TYPE	+2 to +6V

AT27C256R-15RC (ATMEL)

C-MOS 256K (32K X 8)-BIT UV ERASABLE FROM WITH 3-STATE OUTPUTS  
-TOP VIEW-



A0-A14 ; ADDRESS INPUTS  
CE ; CHIP ENABLE INPUT  
D0-D7 ; DATA OUTPUTS  
OE ; OUTPUT ENABLE INPUT  
VPP ; PROGRAM POWER SUPPLY

An	CE	OE	VDD	Vpp	Dn	FUNCTION
An	0	0	+5V	+5V	D OUT	READ
An	0	1	+5V	+5V	Hi-Z	OUTPUT DISABLE
X	1	X	+5V	+5V	Hi-Z	STANDBY
An	0	1	+6V	+12.5V	D IN	PGM
An	1	0	+6V	+12.5V	D OUT	PGM VERIFY (1)
An	0	0	+6V	+12.5V	D OUT	PGM VERIFY (2)
X	1	1	+6V	+12.5V	Hi-Z	PGM INH
AO	0	0	+5V	+5V	DEVICE CODE	ELECTRONIC SIGNATURE*

0 : LOW LEVEL  
1 : HIGH LEVEL  
X : DON'T CARE  
Hi-Z : HIGH IMPEDANCE

\* SEE FOLLOWING DESCRIPTION

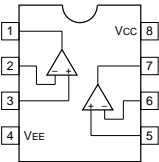
ELECTRONIC SIGNATURE FOR P ROM WRITER

A1 - A8	A9	A10 - A13	A14, Vpp
0	12V	0	1

	AO	D7	D6	D5	D4	D3	D2	D1	D0
MAKER CODE	0	0	0	0	0	0	1	0	0
DEVICE CODE	1	0	1	1	0	0	0	1	0

BA10358F-E2 (ROHM)FLAT PACKAGE  
UPC358G2-E2 (NEC)FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER (HIGH GAIN)  
-TOP VIEW-

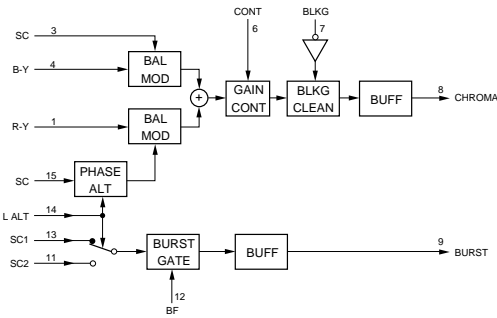
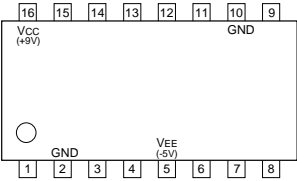


NOTE

	Vcc	VEE
SINGLE SUPPLY	+3 to +32V	GND
SPLIT SUPPLIES	+1.5 to +16V	-1.5 to -16V

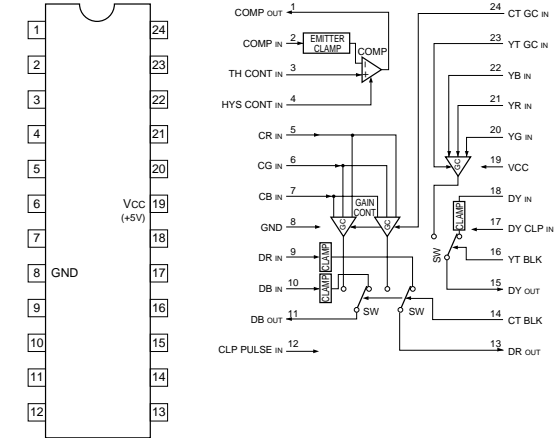
CX22017-TH (SONY)

VIDEO SIGNAL PROCESSOR  
-TOP VIEW-



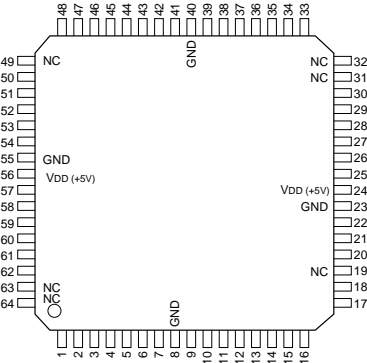
CXA1393AN-T4 (SONY)

TITLE INSERT IC FOR CAMERA  
-TOP VIEW-



CXD1095AR (SONY)

C-MOS I/O EXPANDER  
-TOP VIEW-



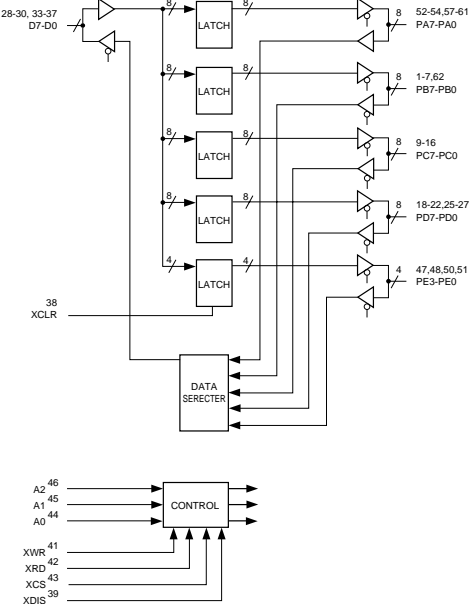
(VDD = +5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I/O	PB1	17	I/O	NC	33	I/O	D3	49	—	NC
2	I/O	PB2	18	I/O	PD0	34	I/O	D4	50	I/O	PE2
3	I/O	PB3	19	I/O	PD1	35	I/O	D5	51	I/O	PE3
4	I/O	PB4	20	I/O	PD2	36	I/O	D6	52	I/O	PA0
5	I/O	PB5	21	I/O	PD3	37	I/O	D7	53	I/O	PA1
6	I/O	PB6	22	I/O	PD4	38	I	XCLR	54	I/O	PA2
7	I/O	PB7	23	—	GND	39	I	XDIS	55	—	GND
8	—	GND	24	—	VDD	40	—	GND	56	—	VDD
9	I/O	PC0	25	I/O	PD5	41	I	XWR	57	I/O	PA3
10	I/O	PC1	26	I/O	PD6	42	I	XRD	58	I/O	PA4
11	I/O	PC2	27	I/O	PD7	43	I	XCS	59	I/O	PA5
12	I/O	PC3	28	I/O	D0	44	I	A0	60	I/O	PA6
13	WO	PC4	29	I/O	D1	45	I	A1	61	I/O	PA7
14	I/O	PC5	30	I/O	D2	46	I	A2	62	I/O	PB0
15	I/O	PC6	31	—	NC	47	I/O	PE0	63	—	NC
16	I/O	PC7	32	—	NC	48	I/O	PE1	64	—	NC



**INPUT**  
A0-A3 ; ADDRESS INPUT  
XCLR ; CLEAR  
XCS ; CHIP SELECT  
XDIS ; DISABLE  
XRD ; READ  
XWR ; WRITE

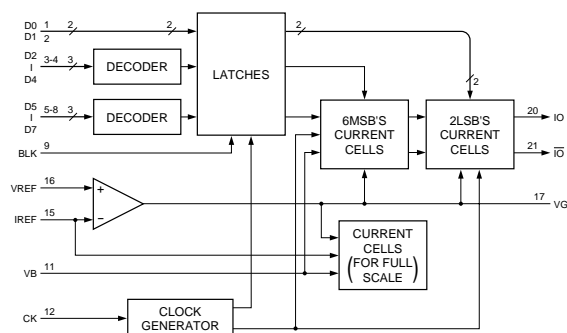
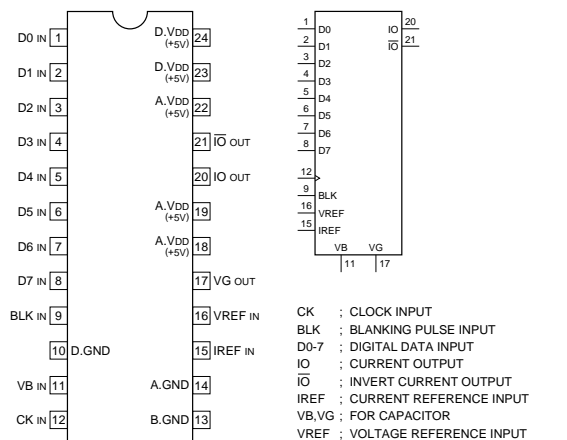
**INPUT/OUTPUT**  
DO-7 ; DATA BUS  
PA0-A7 ; I/O PORT 1  
PB0-B7 ; I/O PORT 2  
PC0-C7 ; I/O PORT 3  
PD0-D7 ; I/O PORT 4  
PE0-E7 ; I/O PORT 5



## CXD1171M-TH (SONY) FLAT PACKAGE

## C-MOS 8-BIT D/A CONVERTER

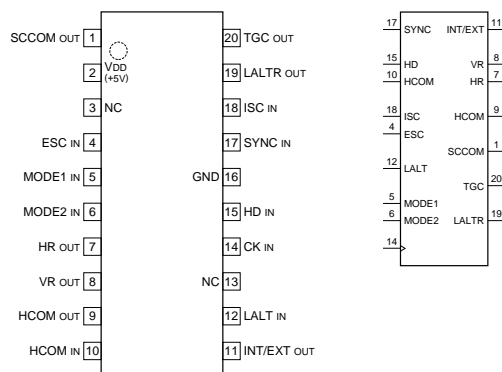
-TOP VIEW-



## CXD1216M-TH (SONY) FLAT PACKAGE

## C-MOS GENLOCK DRIVER

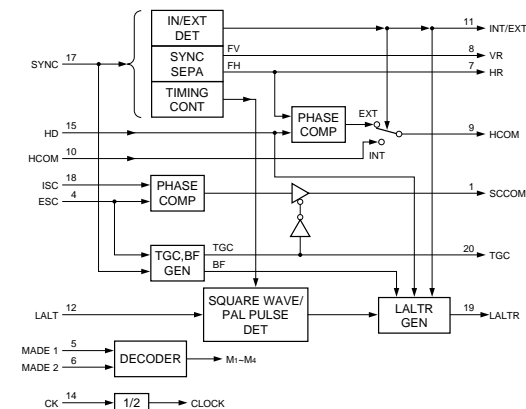
-TOP VIEW-



INPUT		MODE	SYSTEM
MODE1	MODE2		
0	0	M1	PAL-VBS
1	0	M2	PALM-VBS
0	1	M3	PAL, SECAM-VS/SC/LALT
1	1	M4	NTSC-VBS, NTSC-VS/SC, PALM-VS/SC/LALT

0 : LOW LEVEL

1 : HIGH LEVEL



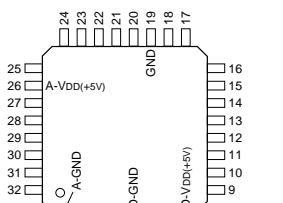
## INPUT

CK : 4fsc CLOCK INPUT  
 ESC : SC/COLOR BURST  
 HCOM : PHASE COMPARE FROM CXD1217  
 HD : H DRIVE FROM CXD1217  
 ISC : SUBCARRIER FROM CXD1217  
 LALT : LALT FROM REFERENCE SIGNAL GENERATOR  
 MODE1,2 : SYSTEM SELECT  
 SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR

## OUTPUT

HCOM : PHASE COMPARETOR HR WITH HD  
 HR : fh OF SYNC SEPARATE  
 INT/EXT : INTERNAL/EXTERNAL SPECIFIED  
 LALTR : LINE CHANGE RESET  
 SCCOM : PHASE COMPARETOR ESC WITH ISC  
 TGC : TRISTATE CONTROL  
 VR : fv OF SYNC SEPARATE

## CXD2131Q-T6 (SONY)

C-MOS VIDEO ADDITIONAL DATA (ASPECT RATIO IDENTIFICATION) ENCODER/DECODER  
—TOP VIEW—

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	A-GND	17	I	SCL
2	I	fsc SEL	18	I/O	SDA
3	O	XTAL2	19	—	D-GND
4	I	XTAL1	20	O	LBX
5	—	D-GND	21	O	ASP
6	I	ASPI	22	I	TEST1
7	I	MCIF	23	I	TEST2
8	—	D-VDD	24	I	ISSET1
9	I	MIF	25	I	ISSET2
10	I/O	SROT	26	—	A-VDD
11	I	CS	27	I	V-IN11
12	I	SCLK	28	I	V-IN12
13	I	S-DATA	29	I	V-IN21
14	I	RST	30	I	V-IN22
15	O	CRCO	31	I	V-IN3
16	O	CSYC	32	O	V-OUT

## INPUT

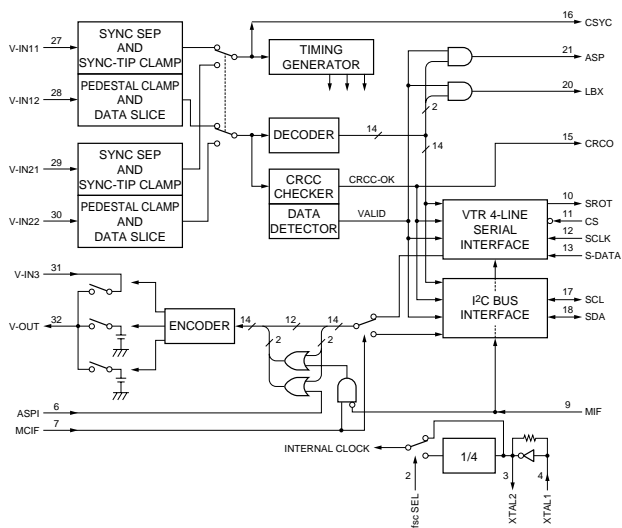
ASPI : ASPECT SELECT (H = 16 : 9, L = 4 : 3)  
 CS : CHIP SELECT  
 fsc SEL : fsc/4fsc SELECT  
 ISET1, ISET2 : ANALOG BIAS CURRENT SETTING  
 MCIF : MICROCOMPUTER INTERFACE SELECT (L = I<sup>2</sup>C, H = SERIAL)  
 MIF : MICROCOMPUTER INTERFACE SELECT (L = EXIST, H = NONE)  
 RST : RESET  
 SCL : I<sup>2</sup>C BUS CLOCK  
 SCLK : CLOCK  
 S-DATA : SERIAL DATA  
 TEST1, TEST2 : FOR TEST  
 V-IN11 : SYNC SEP INPUT  
 V-IN12 : DECODE DATA SLICER INPUT  
 V-IN21 : SYNC SEP INPUT  
 V-IN22 : DECODE DATA SLICER INPUT  
 V-IN3 : ENCODE INPUT  
 XTAL1 : CRYSTAL OSCILLATOR

## OUTPUT

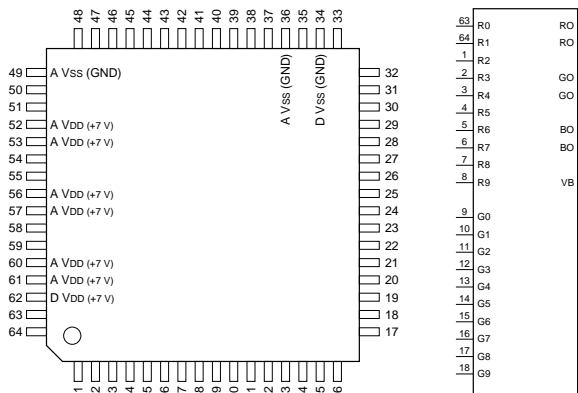
ASP : ASPECT (H = 16 : 9, L = 4 : 3)  
 CRCO : CRCC CHECK MONITORING  
 CSYC : COMPOSITE SYNC MONITORING  
 LBX : LETTER BOX (H = LETTER BOX, L = NORMAL)  
 V-OUT : ENCODE OUTPUT  
 XTAL2 : CRYSTAL OSCILLATOR

## INPUT/OUTPUT

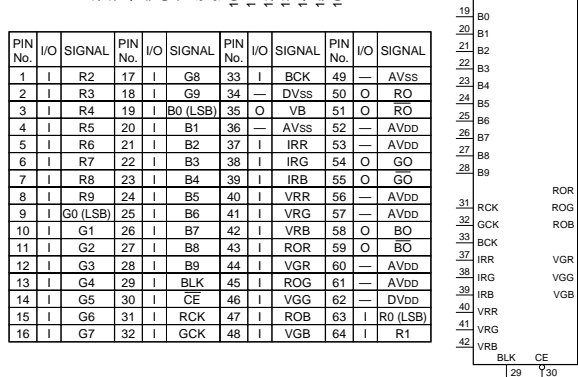
SDA : I<sup>2</sup>C BUS DATA  
 SROT : SERIAL INTERFACE OUTPUT TO THE MICROCOMPUTER



## CXD2307R-T4 (SONY) FLAT PACKAGE

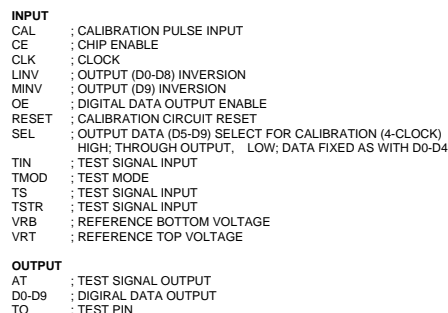
C-MOS 10-BIT 50MSPS RGB 3CHANNEL D/A CONVERTER  
—TOP VIEW—

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	R2	17	I	G8	33	I	BCK	49	—	AVSS
2	I	R3	18	I	G9	34	—	DVSS	50	O	RO
3	I	R4	19	I	B0 (LSB)	35	O	VB	51	O	RO
4	I	R5	20	I	B1	36	—	AVSS	52	—	AVDD
5	I	R6	21	I	B2	37	I	IRR	53	—	AVDD
6	I	R7	22	I	B3	38	I	IRG	54	O	GO
7	I	R8	23	I	B4	39	I	IRB	55	O	GO
8	I	R9	24	I	B5	40	I	VRR	56	—	AVDD
9	I	G0 (LSB)	25	I	B6	41	I	VRG	57	—	AVDD
10	I	G1	26	I	B7	42	I	VRB	58	O	BO
11	I	G2	27	I	B8	43	I	ROR	59	O	BO
12	I	G3	28	I	B9	44	I	VGR	60	—	AVDD
13	I	G4	29	I	BLK	45	I	ROG	61	—	AVDD
14	I	G5	30	I	CE	46	I	VGB	62	—	DVDD
15	I	G6	31	I	RCK	47	I	ROB	63	I	R0 (LSB)
16	I	G7	32	I	GCK	48	I	VGB	64	I	R1

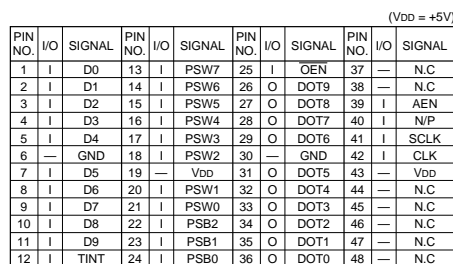




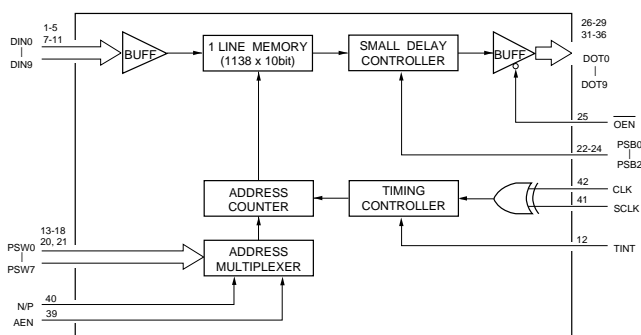
—TOP VIEW—



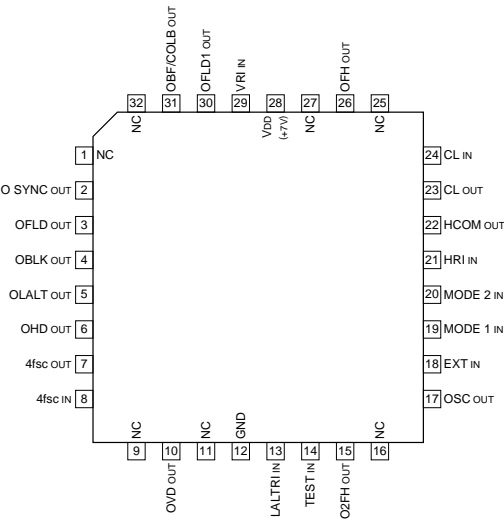
—TOP VIEW—



AEN	:	LINE MEMORY SELECT
CLK	:	CLOCK
DINO-DIN9	:	VIDEO DATA INPUT
DOT0-DOT9	:	VIDEO DATA OUTPUT
N/P	:	NTSC/PAL/SECAM SELECT
OEN	:	OUTPUT ENABLE
PSB0-PSB2	:	DELAY STEP SELECT (1 BITxN)
PSW0-PSW7	:	DELAY STEP SELECT (8 BITxN)
SKLK	:	CLOCK EDGE SELECT
TINT	:	TEST



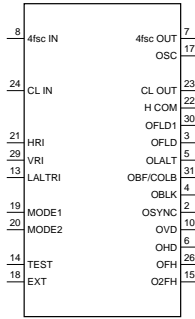
CXD1217Q-T4 (SONY)  
C-MOS SYNC GENERATOR  
-TOP VIEW-



SYSTEM	4fsc	CLOCK
NTSC	910fH	910fH
PAL	1135fH + 2fV	908fH
PALM	909fH	910fH
SECAM	—	908fH

INPUT		SYSTEM
MODE1	MODE2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

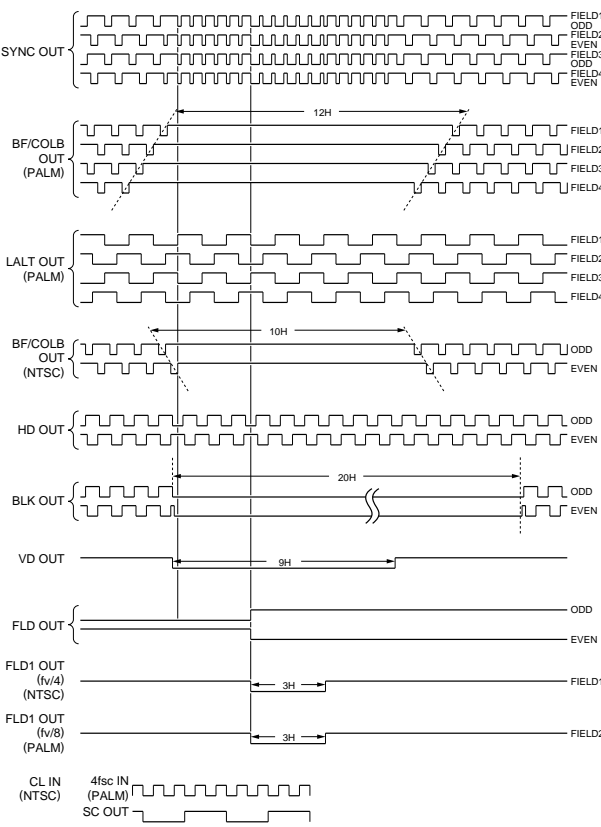
0 ; LOW LEVEL  
1 ; HIGH LEVEL



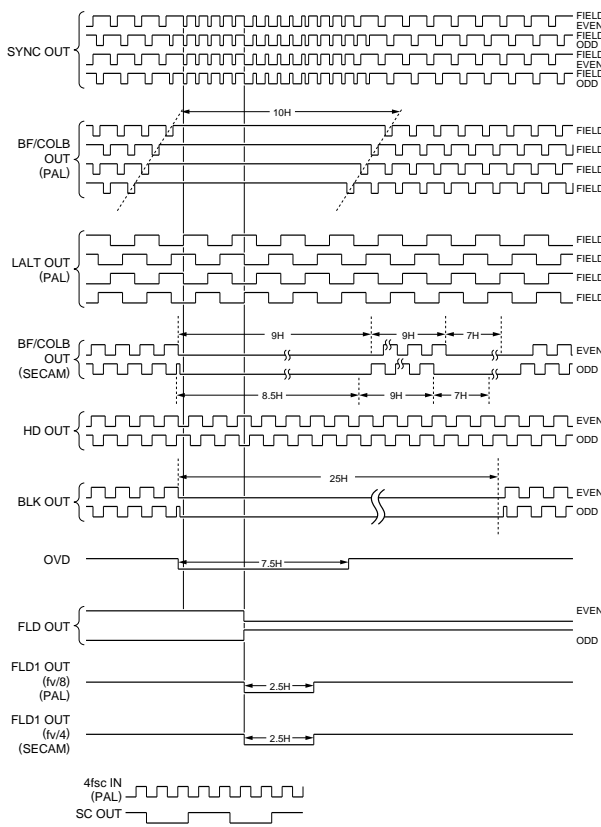
**INPUT**  
4fsc IN : 4fsc  
CL IN : CLOCK  
EXT : SYNC MODE SELECT  
(L : INTERNAL/H : EXTERNAL)  
HRI : HORIZONTAL RESET  
LALTRI : LINE ALTERNATE RESET  
MODE1, 2 : SYSTEM SELECT  
VRI : VERTICAL RESET

**OUTPUT**  
4fsc OUT : 4fsc  
CL OUT : CLOCK  
HCOM : PHASE COMPARATOR  
O2FH : 2fH  
OBF/COLB : BURST FLAG/COLOR BLANKING  
OBLK : COMPOSITE BLANKING  
OFH : fH  
OFLD : FIELD PULSE  
OFLD1 : FIELD1  
OHD : HORIZONTAL DRIVE  
OLALT : LINE ALTERNATE  
OSC : SUBCARRIER  
OSYNC : COMPOSITE SYNC  
OVD : VERTICAL DRIVE

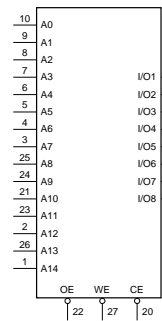
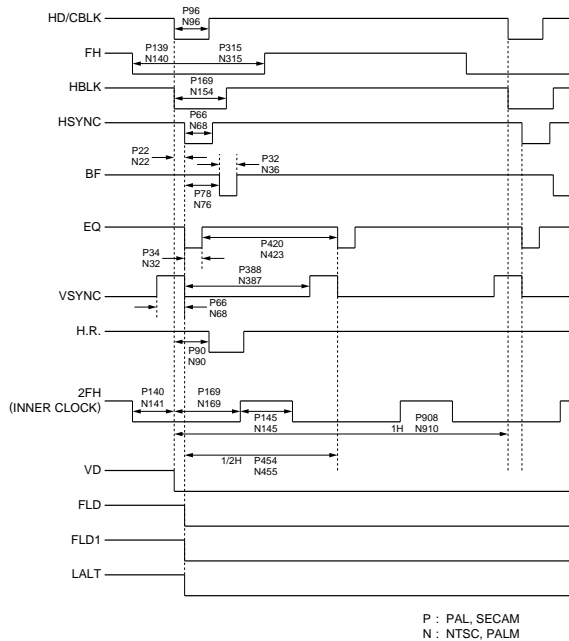
(NTSC, PALM)



(PAL, SECAM)



—TOP VIEW—



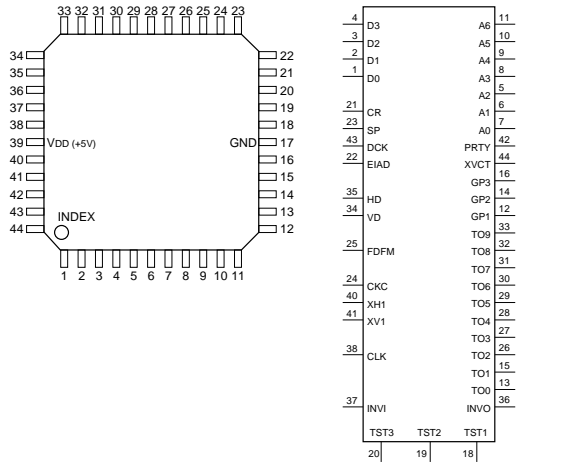
CE	OE	WE	MODE	I/O TERMINAL
1	X	X	NOT SELECT	HIGH IMPEDANCE
0	1	1	OUTPUT DISABLE	HIGH IMPEDANCE
0	0	1	READ	OUTPUT DATA
0	X	0	WRITE	INPUT DATA

The block diagram illustrates the 512 x 512 bit SRAM architecture. It features three input buffers on the left, each receiving a set of address or control signals. The top buffer takes inputs A14, A13, A12, A11, A9, A8, A7, A6, and A5. The middle buffer takes inputs A21, A10, A4, A3, A2, A1, and A0. The bottom buffer takes control signals OE, WE, and CE, each inverted. All three buffers feed into a central 512 x 512 bit memory matrix. The memory matrix is connected to a row decoder and an I/O gate column decoder. The row decoder outputs to the memory matrix, and the I/O gate column decoder outputs to an I/O buffer. The I/O buffer has 19 outputs, labeled I/O0 through I/O18.

## CXD8095Q (SONY) FLAT PACKAGE

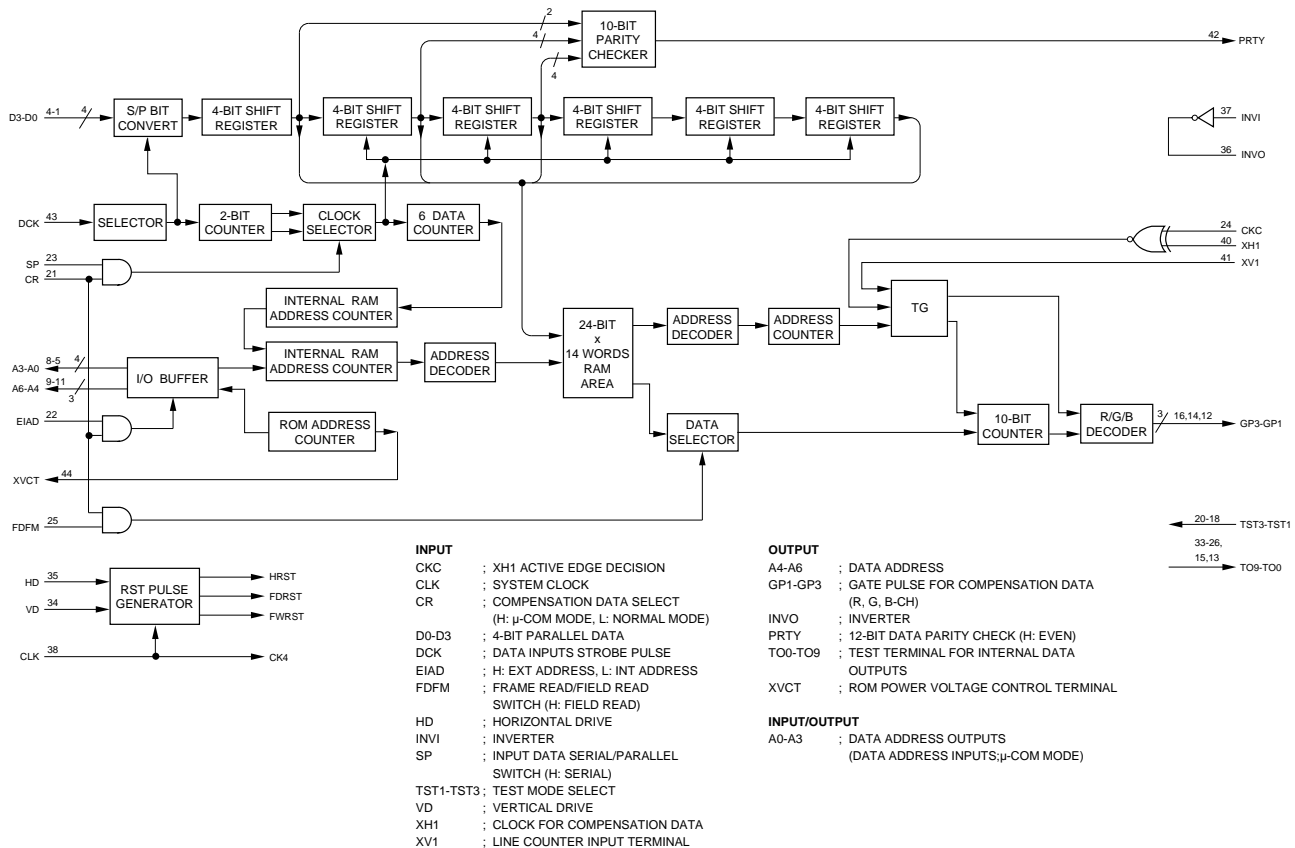
## C-MOS GATE ARRAY

—TOP VIEW—



(VDD = +5V)

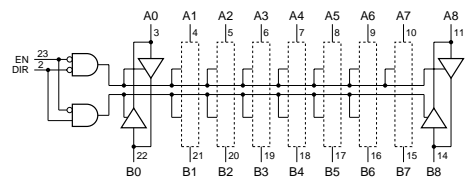
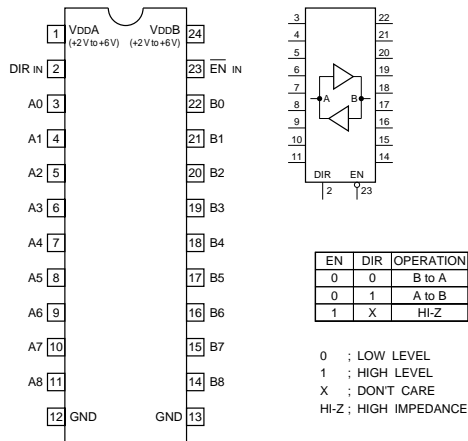
PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	I	D0	12	O	GP1	23	I	SP	34	I	VD
2	I	D1	13	O	TO0	24	I	CKC	35	I	HD
3	I	D2	14	O	GP2	25	I	FDFM	36	O	INVO
4	I	D3	15	O	TO1	26	O	TO2	37	I	INVI
5	I/O	A2	16	O	GP3	27	O	TO3	38	I	CLK
6	I/O	A1	17	—	GND	28	O	TO4	39	—	VDD
7	I/O	A0	18	I	TST1	29	O	TO5	40	I	XH1
8	I/O	A3	19	I	TST2	30	O	TO6	41	I	XV1
9	O	A4	20	I	TST3	31	O	TO7	42	O	PRTY
10	O	A5	21	I	CR	32	O	TO8	43	I	DCK
11	O	A6	22	I	EIAD	33	O	TO9	44	O	XVCT



### HD151015TEL (HITACHI)FLAT PACKAGELT

C-MOS 9-BIT LEVEL SHIFTER/TRANSCIEVER WITH 3-STATE OUTPUTS

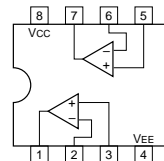
— TOP VIEW —



### LT1253CS8-E2 (LINEAR TECH)FLAT PACKAGE

DUAL VIDEO AMPLIFIER

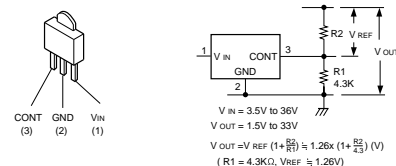
-TOP VIEW-



	VCC	VEE
SINGLE SUPPLY	+4 to +28V	GND
SPLIT SUPPLIES	+2 to +14V	-2 to -14V

### M5237ML-TP1 (MITSUBISHI)

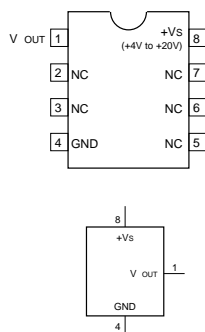
ADJUSTABLE VOLTAGE REGULATOR



### LM35DMX (NS)FLAT PACKAGE

TEMPERATURE SENSOR

—TOP VIEW—



### LM4040AIM3-2.5 (NS)

PRECISION MICROPPOWER SHUNT VOLTAGE REFERENCE

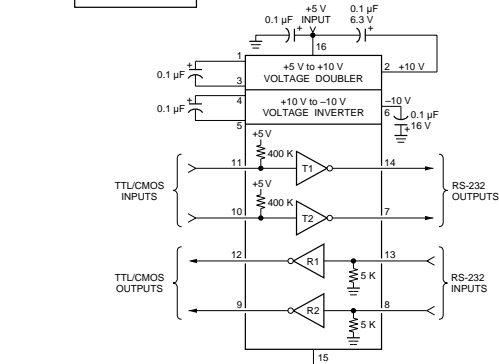
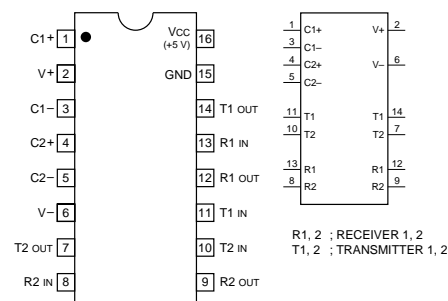
— TOP VIEW —



### MAX202CSE-TE2 (MAXIM)

RS-232 TRANSMITTER/RECEIVER

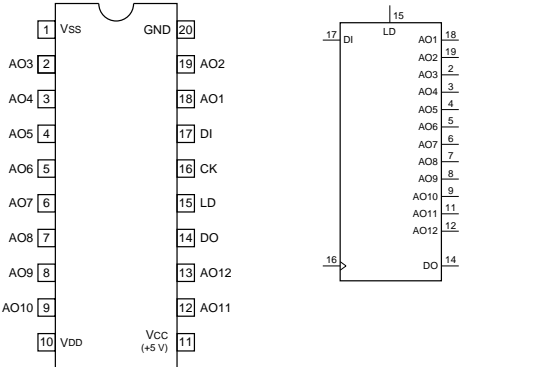
— TOP VIEW —



M62352GP-75ED (MITSUBISHI)FLAT PACKAGE

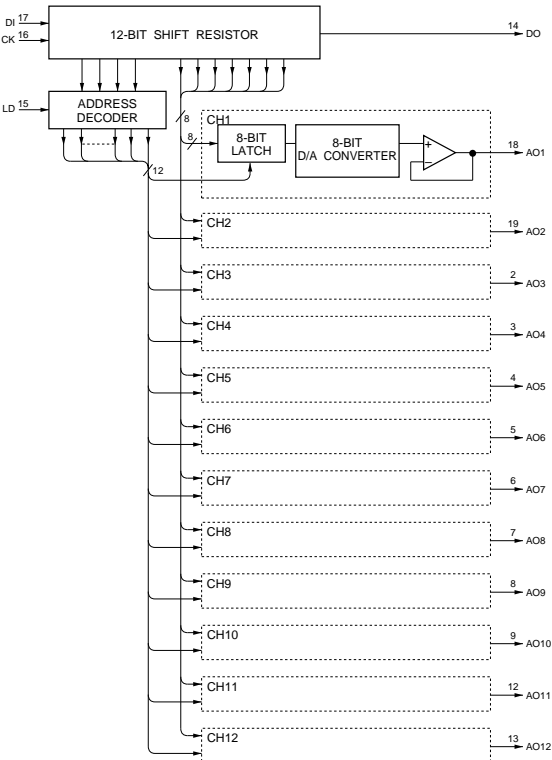
C-MOS 8-BITx12 CHANNEL D/A CONVERTER  
(WITH BUFFER OPERATIONAL AMPLIFIER)

— TOP VIEW —



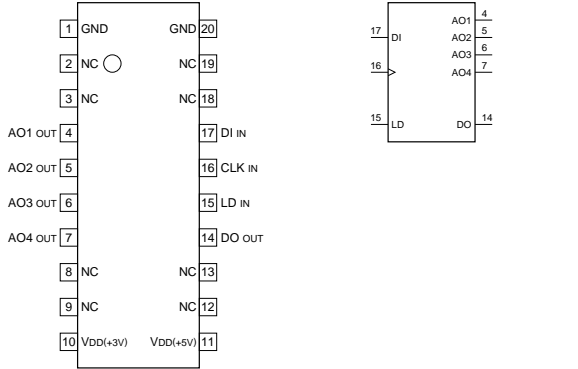
AO1-AO12 : 8-BIT D/A OUTPUTS  
CK : CLOCK INPUT  
DI : SERIAL DATA INPUT  
DO : DATA OUTPUT

**NOTE:**  
3.5 V < VDD < VCC  
-3.5 V < VSS < VCC



MB88351PFV-ER (FUJITSU)FLAT PACKAGE

C-MOS 12-BIT D / A CONVERTER WITH OPERATIONAL AMPLIFIER  
-TOP VIEW-

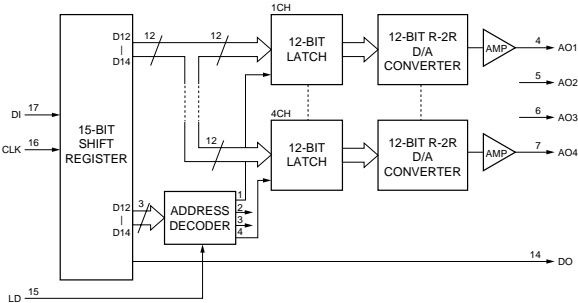


**INPUT**  
CLK : SHIFT CLOCK  
DI : SERIAL DATA  
LD : DECODER AND D/A REGISTER TO LOAD

**OUTPUT**  
AO1 - AO4 : ANALOG DATA  
DO : MBS BIT DATA IN 15-BIT SHIFT REGISTER

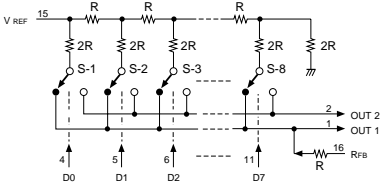
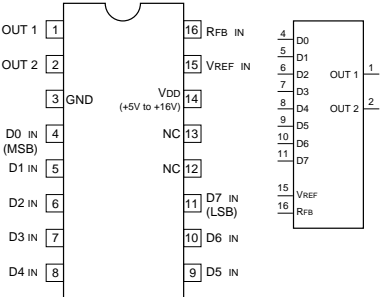
D12	D13	D14	ADDRESS SELECT
0	0	0	DON'T CARE
0	0	1	AO1 SELECT
0	1	0	AO2 SELECT
0	1	1	AO3 SELECT
1	0	0	AO4 SELECT
1	0	1	DON'T CARE
1	1	0	DON'T CARE
1	1	1	DON'T CARE

0 : LOW LEVEL  
1 : HIGH LEVEL



XRD7523AID-JTR (EXAR)

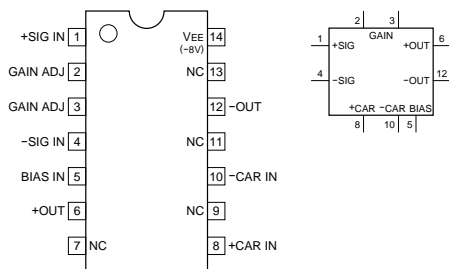
C-MOS 8-BIT D/A CONVERTER  
-TOP VIEW-



MP7523 : R=10k  
XRD7523 : R=20k

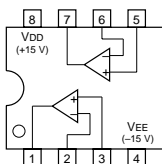
### NJM1496V-TE2 (JRC) FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR  
—TOP VIEW—



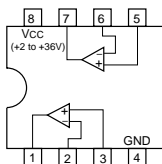
### NJM2043M-D-TE2 (JRC) FLAT PACKAGE TL062CPW-ELL2000 (TI) FLAT PACKAGE UPC812G2-T2 (NEC) FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER  
— TOP VIEW —



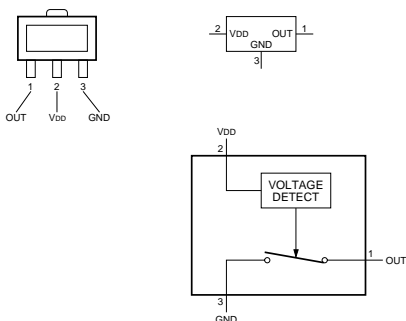
### NJM2903V (TE2) (JRC)

DUAL VOLTAGE COMPARATORS  
—TOP VIEW—



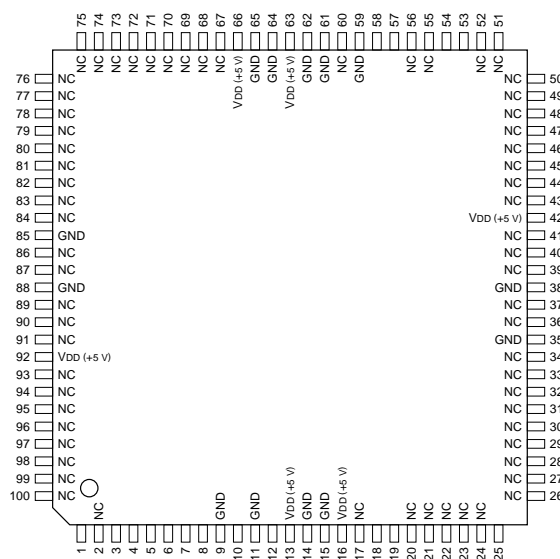
### S-8054HN-CB-T1 (SEIKO I & E)

C-MOS VOLTAGE DETECTOR WITH N-CHANNEL OPEN DRAIN OUTPUT  
—TOP VIEW—



### QL12X16B-XPF100C (QUICK LOGIC)

C-MOS FIELD PROGRAMMABLE GATE ARRAY  
—TOP VIEW—

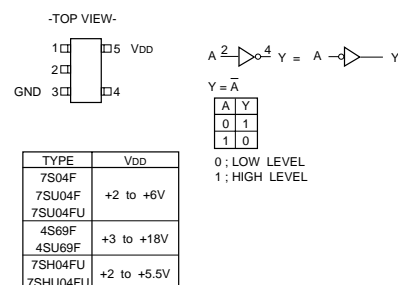


(VDD = +5 V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	CLR	26	—	NC	51	—	NC	76	—	NC
2	—	NC	27	—	NC	52	—	NC	77	—	NC
3	I/O	PAL NTSC	28	—	NC	53	I/O	BLKG	78	—	NC
4	I/O	FULL NORMAL	29	—	NC	54	I/O	XBLKG	79	—	NC
5	I/O	CLKSEL	30	—	NC	55	—	NC	80	—	NC
6	I/O	CLK2IN	31	—	NC	56	—	NC	81	—	NC
7	I/O	CLK2OUT	32	—	NC	57	I/O	WIDE ID	82	—	NC
8	I/O	CLK1IN	33	—	NC	58	I/O	XWIDE ID	83	—	NC
9	—	GND	34	—	NC	59	—	GND	84	—	NC
10	I/O	CLK1 2OUT	35	—	GND	60	—	NC	85	—	GND
11	—	GND	36	—	NC	61	—	GND	86	—	NC
12	I	CLK	37	—	NC	62	—	GND	87	—	NC
13	—	VDD	38	—	GND	63	—	VDD	88	—	GND
14	—	GND	39	—	NC	64	—	GND	89	—	NC
15	—	GND	40	—	NC	65	—	GND	90	—	NC
16	—	VDD	41	—	NC	66	—	VDD	91	—	NC
17	—	NC	42	—	VDD	67	—	NC	92	—	VDD
18	I/O	HDIN	43	—	NC	68	—	NC	93	—	NC
19	I/O	VDIN	44	—	NC	69	—	NC	94	—	NC
20	—	NC	45	—	NC	70	—	NC	95	—	NC
21	—	NC	46	—	NC	71	—	NC	96	—	NC
22	—	NC	47	—	NC	72	—	NC	97	—	NC
23	—	NC	48	—	NC	73	—	NC	98	—	NC
24	—	NC	49	—	NC	74	—	NC	99	—	NC
25	I/O	MODE FULL	50	—	NC	75	—	NC	100	—	NC

SC7S04F (TE85R) (MOTOROLA) CHIP PACKAGE  
TC4S69F (TE85R) (TOSHIBA) CHIP PACKAGE  
TC7S04F (TE85R) (TOSHIBA) CHIP PACKAGE  
TC7S04FU (TE85R) (TOSHIBA) FLAT PACKAGE  
TC7SH04FU-TE85R (TOSHIBA) FLAT PACKAGE  
TC7SU04F (TE85R) (TOSHIBA) FLAT PACKAGE

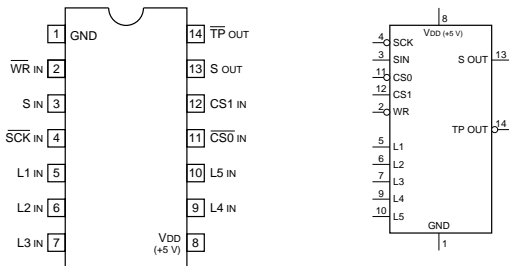
C-MOS INVERTER



## RTC-4553B-L2 (EPSON)

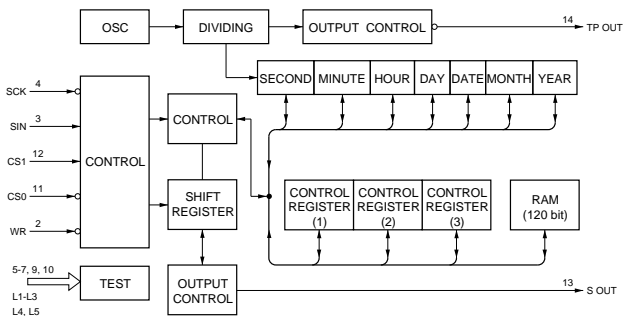
### C-MOS REAL TIME CLOCK

— TOP VIEW —



**INPUT**  
 CS0 : CHIP SELECT (L: ACCESS ENABLE, H: SOUT HIGH Z)  
 CS1 : POWER DOWN DETECTION  
 L1-L5 : TEST IN  
 SCK : SERIAL SYNC SIGNAL  
 SIN : SERIAL ADDRESS/DATA  
 WR : WRITING SELECT (L: WRITING, H: READING)

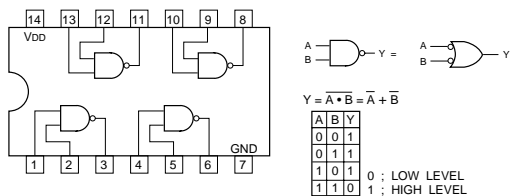
**OUTPUT**  
 SOUT : SERIAL ADDRESS/DATA  
 TPOUT : REFERENCE SIGNAL



## SN74HC00APW-E05 (TI) FLAT PACKAGE SN74LVC00APW-E05 (TI)

### C-MOS QUAD 2-INPUT NAND GATES

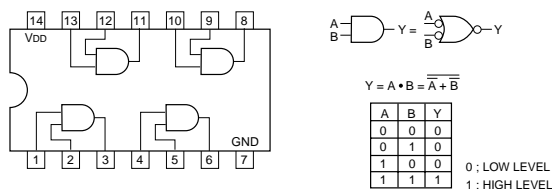
— TOP VIEW —



## SN74HC08APW-E05 (TI) FLAT PACKAGE SN74HCT08APW-E05 (TI) FLAT PACKAGE

### C-MOS QUAD 2-INPUT AND GATE

— TOP VIEW —



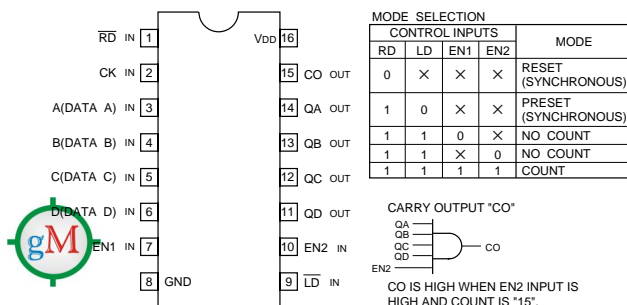
NOTE :

TYPE	VDD
AC	+2 to +5.5V
TC40H	+2 to +8V
ACT/HCT	+5V
OTHER TYPES	+2 to +6V

## SN74HC163APW-E05 (TI) FLAT PACKAGE

### C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER

— TOP VIEW —



NOTE:

TYPE	VDD
HC	+2 to +6V
AC/VHC	+2 to +5.5V
HCT/ACT/FCT	+5V

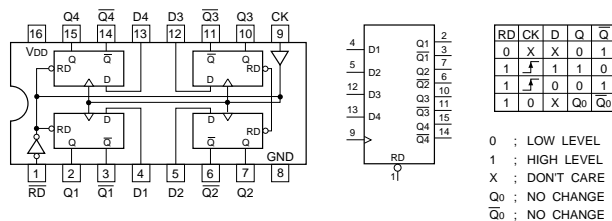
COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

## SN74HC175APW-E05 (TI) FLAT PACKAGE

### C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET

— TOP VIEW —



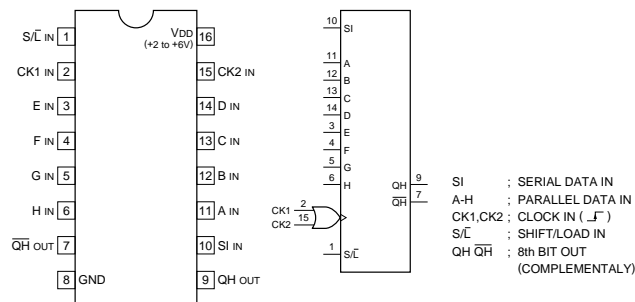
NOTE:

TYPE	VDD
AC TYPE	+2V to +5.5V
74ACT175 TYPE	+4.5V to 5.5V
OTHER TYPES	+2V to 6V



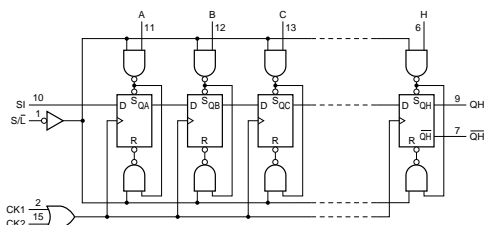
SN74HC165ANS-E05 (TI) FLAT PACKAGE  
 SN74HC165APW-E05 (TI) FLAT PACKAGE  
 TC74VHC165FS(EL) (TOSHIBA) FLAT PACKAGE

C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER  
 -TOP VIEW-



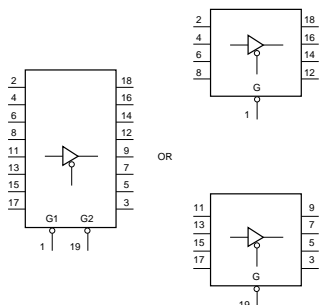
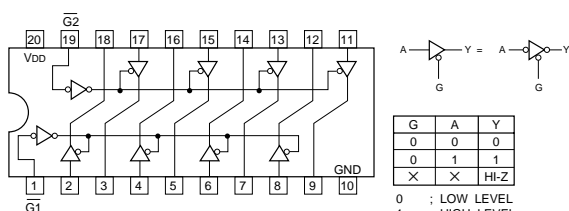
INPUTS			CONTENTS		OUTPUT	OPERATION
S/L	CK1+CK2	SI	A	QA	QH	
0	X	X	a	h	h	PARALLEL LOAD
1	┐	0	X	0	QAo	RIGHT SHIFT
1	┐	1	X	1	QAo	
1	┐	X	X	QAo	QB	NO COUNT
1	0	X	X	QAo	QB	
1	1	X	X	QAo	QB	

0 : LOW LEVEL  
 1 : HIGH LEVEL  
 X : DON'T CARE  
 a-h : LEVEL OF INPUTS A-H  
 QAo-QHo : LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS WERE ESTABLISHED



SN74HC244APW-E05 (TI)  
 SN74HCT244APW-E05 (TI) FLAT PACKAGE

C-MOS BUS BUFFER WITH 3-STATE OUTPUTS  
 -TOP VIEW-

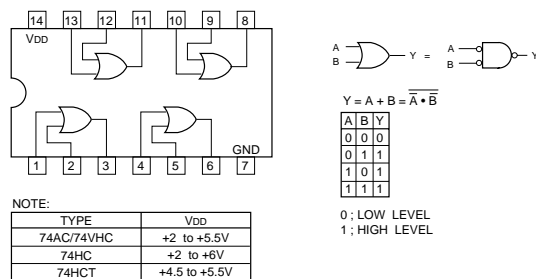


NOTE:

TYPE	V <sub>DD</sub>
74HC 40H	+2 to +6V
74ACT 74BCT 74FCT 74HCT	+4.5 to +5.5V
74LCX	+2 to +3.6V
74AC/74VHC	+2 to +5.5V

SN74HC32APW-E05 (TI) FLAT PACKAGE

C-MOS QUAD 2-INPUT OR GATES  
 -TOP VIEW-



$A \text{ OR } B = Y$

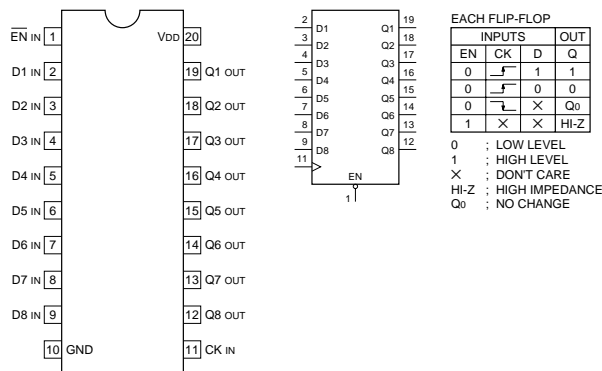
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

$Y = A + B = \overline{A \cdot B}$

0 : LOW LEVEL  
 1 : HIGH LEVEL

SN74HC574APW-E05 (TI)  
 TC74VHC574FS(EL) (TOSHIBA) FLAT PACKAGE (SMALL)

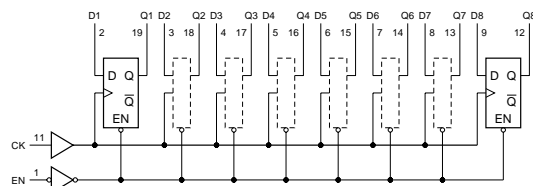
C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP  
 -TOP VIEW-



EACH FLIP-FLOP

INPUTS				OUT
EN	CK	D	Q	
0	┐	1	1	
0	┐	0	0	
1	┐	X	Q <sub>0</sub>	
1	X	X	HI-Z	

0 : LOW LEVEL  
 1 : HIGH LEVEL  
 X : DON'T CARE  
 HI-Z : HIGH IMPEDANCE  
 Q<sub>0</sub> : NO CHANGE

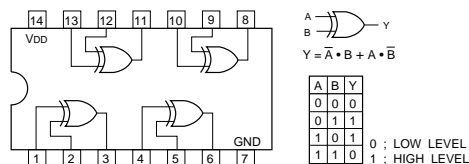


NOTE:

TYPE	V <sub>DD</sub>
74HC	+2 to +6V
74AC/74VHC	+2 to +5.5V
74ACT/74FCT/74HCT	+4.5 to +5.5V
74LCX	+2 to +3.6V
74LVC	+2.7 to +3.6V

TC74VHC86FS(EL) (TOSHIBA) FLAT PACKAGE

C-MOS QUAD EXCLUSIVE OR GATES  
 -TOP VIEW-



$A \text{ XOR } B = Y$

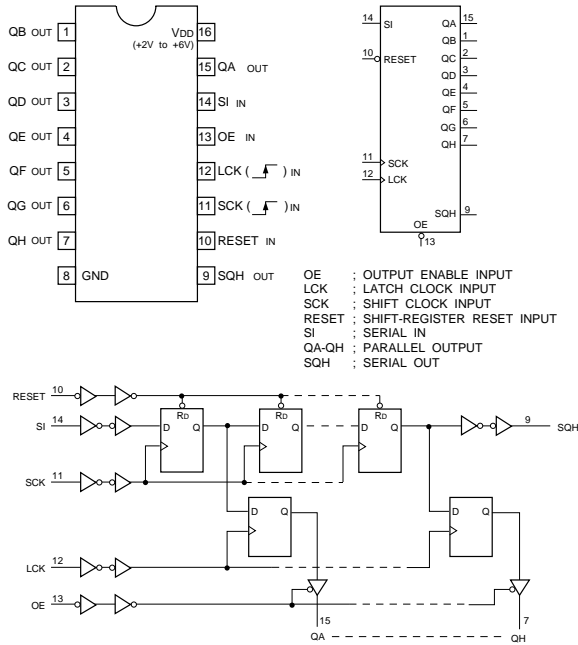
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

$Y = \overline{A} \cdot B + A \cdot \overline{B}$

0 : LOW LEVEL  
 1 : HIGH LEVEL

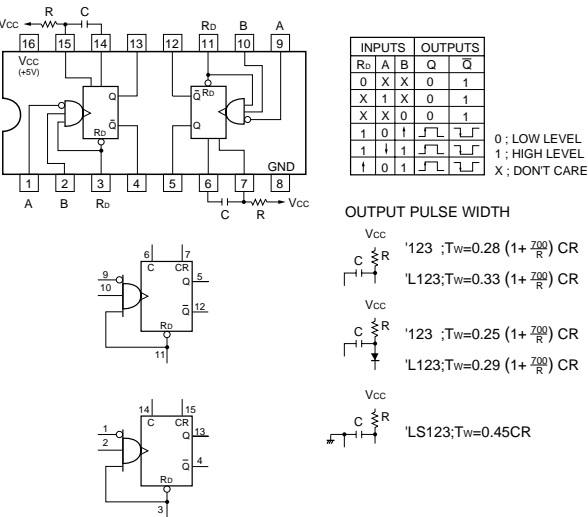
SN74HC595ADB-E05 (TI)FLAT PACKAGE(SMALL)  
SN74HC595ANS-E05 (TI)FLAT PACKAGE

C-MOS 8-BIT SERIAL-INPUT/SERIAL- OR PARALLEL-OUTPUT  
SHIFT REGISTER WITH LATCHED 3-STATE OUTPUT  
—TOP VIEW—



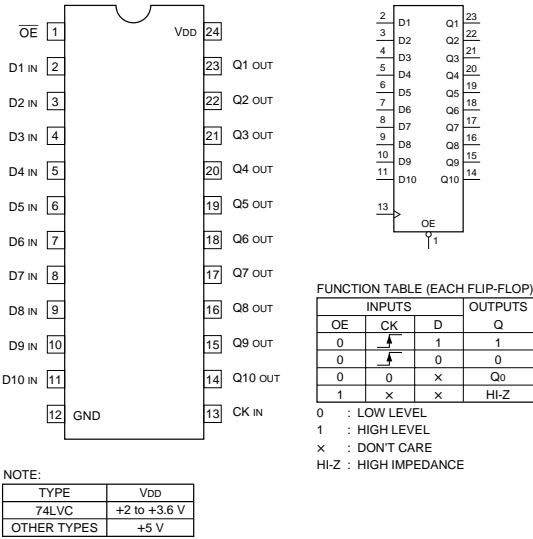
SN74LS123NS-E05 (TI)FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET  
—TOP VIEW—

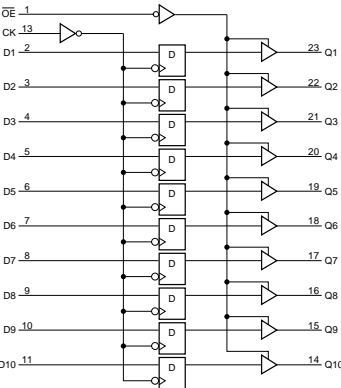


SN74LVC821APW-E05 (TI)FLAT PACKAGE

C-MOS 10-BIT BUS INTERFACE FLIP-FLOPS WITH 3-STATE OUTPUTS  
—TOP VIEW—

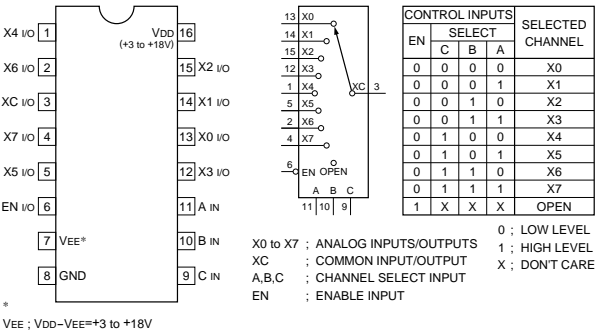


LOGIC DIAGRAM (POSITIVE LOGIC)



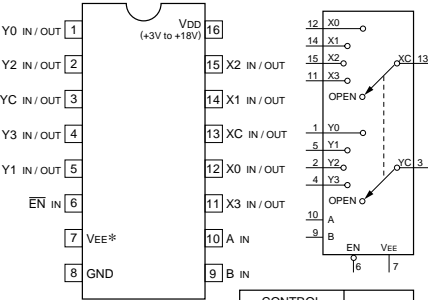
TC4051BFS(EL) (TOSHIBA)FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
—TOP VIEW—



TC4052BFS(ELQ) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS / DEMULTIPLEXERS  
-TOP VIEW-



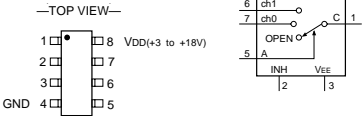
VEE\*: VDD - VEE = +3V to +18V

0 ; LOW LEVEL  
1 ; HIGH LEVEL  
X ; DON'T CARE

CONTROL INPUTS			"ON" CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

TC4W53FU(TE12R) (TOSHIBA)CHIP PACKAGE

C-MOS 2-CHANNEL MULTIPLEXER / DEMULTIPLEXER

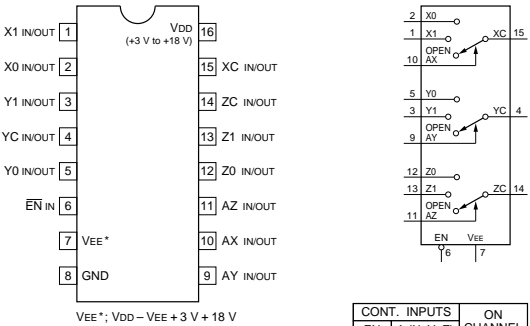


0 ; LOW LEVEL  
1 ; HIGH LEVEL  
X ; DON'T CARE

CONT.INPUT		ON CHANNEL
INH	A	
0	0	ch0
0	1	ch1
1	X	OPEN

TC4053BFS-EL (TOSHIBA)FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS  
-TOP VIEW-



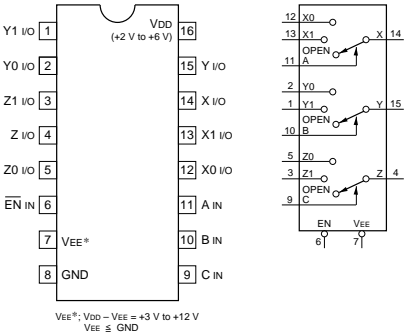
VEE\*: VDD - VEE + 3 V + 18 V

0 ; LOW LEVEL  
1 ; HIGH LEVEL  
X ; DON'T CARE

CONT. INPUTS			ON CHANNEL
EN	A (X, Y, Z)		
0	0		0
0	1		1
1	X		OPEN

TC74HC4053AFS-EL (TOSHIBA)FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER  
-TOP VIEW-



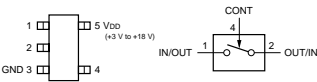
VEE\*: VDD - VEE = +3 V to +12 V  
VEE ≤ GND

EN	SELECT			ON CHANNEL		
	C	B	A			
0	0	0	0	Z0	Y0	X0
0	0	0	1	Z0	Y0	X1
0	0	1	0	Z0	Y1	X0
0	0	1	1	Z0	Y1	X1
0	1	0	0	Z1	Y0	X0
0	1	0	1	Z1	Y0	X1
0	1	1	0	Z1	Y1	X0
0	1	1	1	Z1	Y1	X1
1	X	X	X	OPEN		

0 ; LOW LEVEL  
1 ; HIGH LEVEL  
X ; DON'T CARE

TC4S66F(TE85R) (TOSHIBA)CHIP PACKAGE

C-MOS BILATERAL ANALOG SWITCH  
-TOP VIEW-

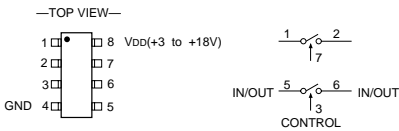


CONT	SWITCH
0	OFF
1	ON

0 ; LOW LEVEL  
1 ; HIGH LEVEL

TC4W66FU(TE12R) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL BILATERAL SWITCH

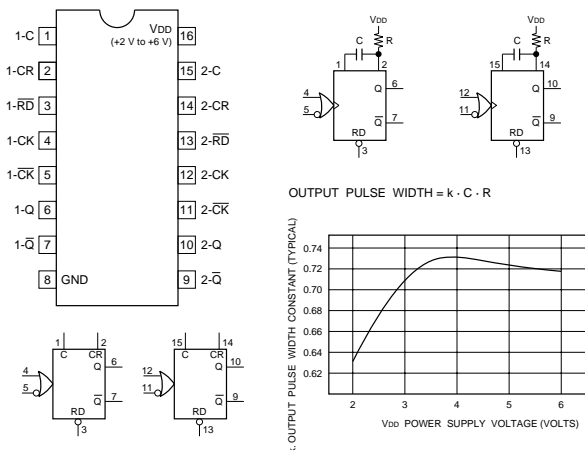


CONTROL	SWITCH
0	OFF
1	ON

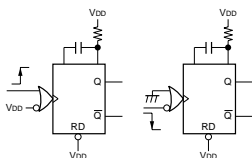
0 ; LOW LEVEL  
1 ; HIGH LEVEL

### TC74HC4538AFS-EL (TOSHIBA) FLAT PACKAGE

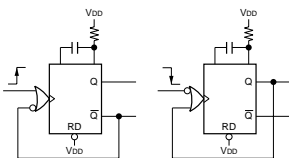
C-MOS DUAL RETRIGGERABLE / NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR  
—TOP VIEW—



RETRIGGERABLE M. M. V

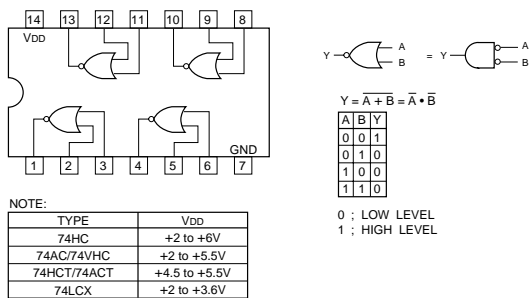


NON-RETRIGGERABLE M. M. V



### TC74VHC02FS(EL) (TOSHIBA)

C-MOS QUAD 2-INPUT NOR GATES  
—TOP VIEW—

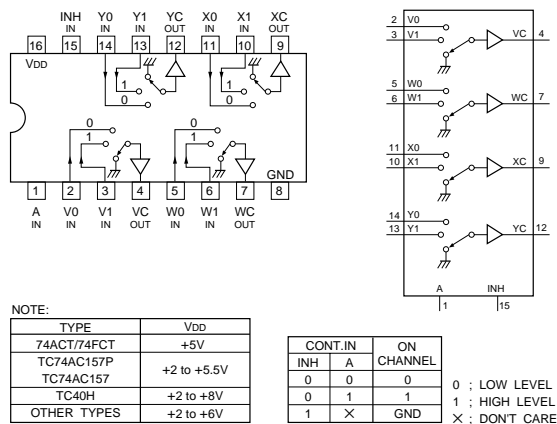


NOTE:

TYPE	VDD
74HC	+2 to +6V
74AC/74VHC	+2 to +5.5V
74HCT/74ACT	+4.5 to +5.5V
74LCX	+2 to +3.6V

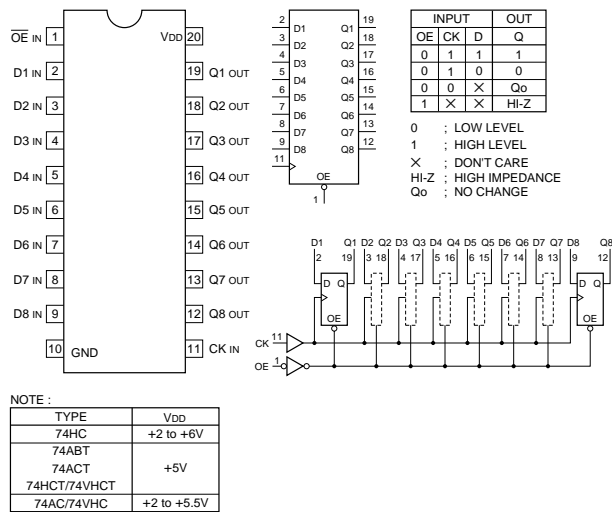
### TC74VHC157FS(EL) (TOSHIBA)

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/ DEMULTIPLEXER  
—TOP VIEW—



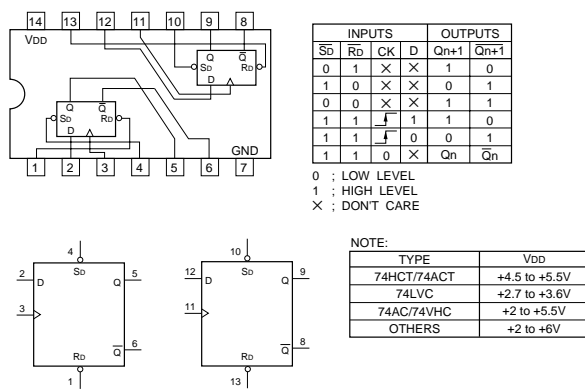
### TC74VHC573FS(EL) (TOSHIBA) FLAT PACKAGE

C-MOS 3-STATE OUTPUTS OCTAL LATCH  
—TOP VIEW—



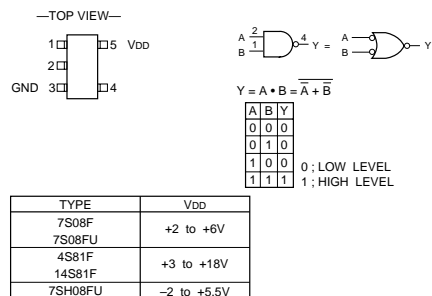
### TC74VHC74FS(EL) (TOSHIBA) FLAT PACKAGE (SMALL)

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET  
—TOP VIEW—



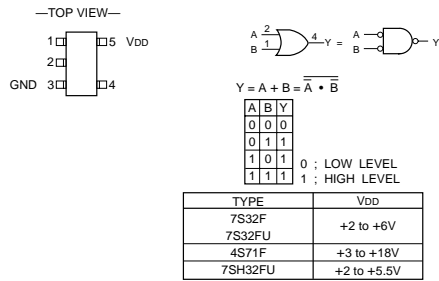
TC7S08F(TE85R) (TOSHIBA) CHIP PACKAGE  
TC7S08FU(TE85R) (TOSHIBA) FLAT PACKAGE  
TC7SH08FU-TE85R (TOSHIBA) CHIP PACKAGE

C-MOS 2-INPUT AND GATE



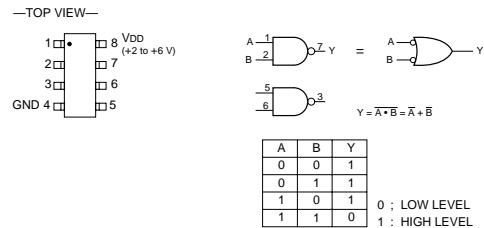
# TC7S32FU(TE85R) (TOSHIBA)FLAT PACKAGE TC7SH32FU-TE85R (TOSHIBA)FLAT PACKAGE

## C-MOS 2-INPUT OR GATE



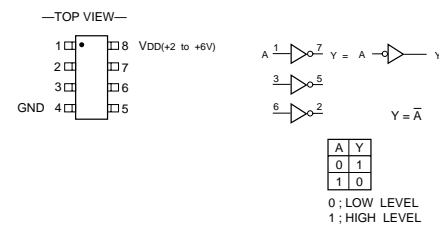
# TC7W00FU(TE12R) (TOSHIBA)

## C-MOS DUAL 2-INPUT NAND GATE



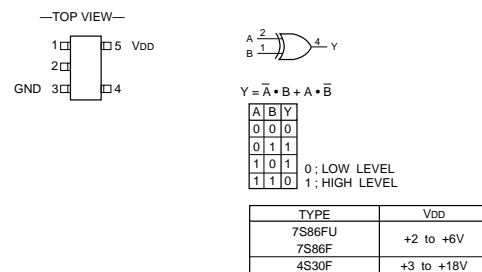
# TC7W04FU(TE12R) (TOSHIBA)FLAT PACKAGE

## C-MOS HEX INVERTERS



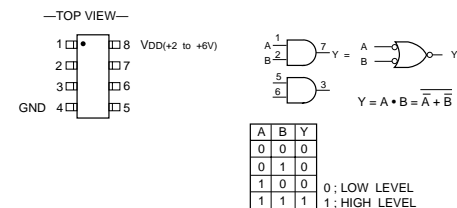
# TC7S86F(TE85R) (TOSHIBA)FLAT PACKAGE

## C-MOS 2-INPUT EXCLUSIVE OR GATE



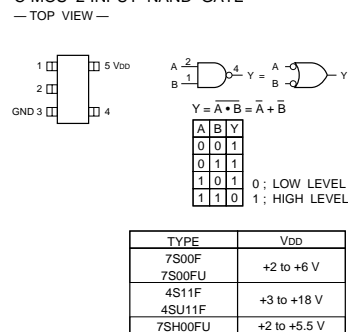
# TC7W08FU(TE12R) (TOSHIBA)CHIP PACKAGE

## C-MOS 2-INPUT AND GATE



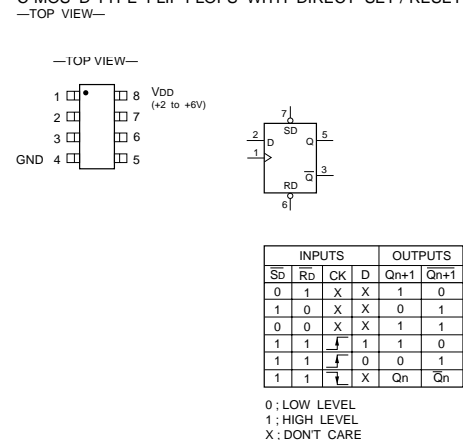
# TC7S00FU(TE85R) (TOSHIBA)FLAT PACKAGE TC7SH00FU-TE85R (TOSHIBA)FLAT PACKAGE

## C-MOS 2-INPUT NAND GATE



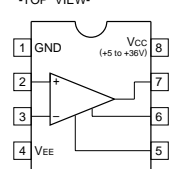
# TC7W74F(TE12R) (TOSHIBA) TC7W74FU(TE12R) (TOSHIBA)CHIP PACKAGE

## C-MOS D-TYPE FLIP-FLOPS WITH DIRECT SET / RESET



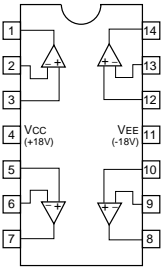
# UPC311G2-E2 (NEC)FLAT PACKAGE

## VOLTAGE COMPARATOR



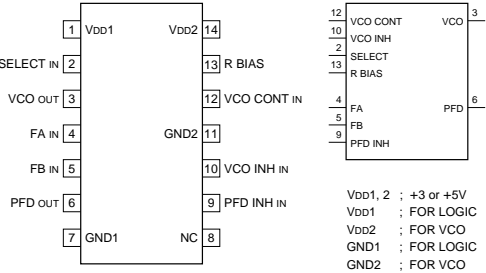
TL064CPW-E05 (TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER  
(J FET INPUT)  
—TOP VIEW—

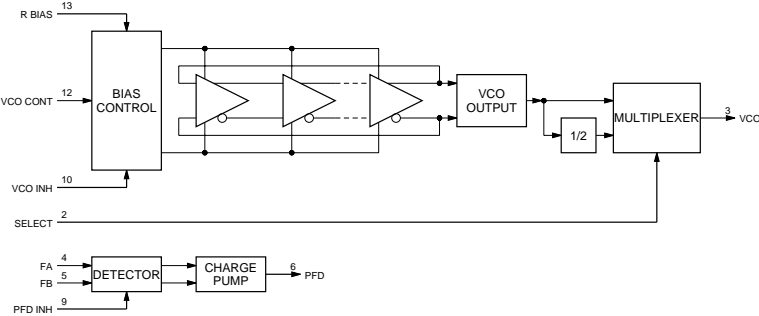


TLC2932IPW-E20 (TI)

C-MOS VCO AND PHASE FREQUENCY DETECTOR  
—TOP VIEW—

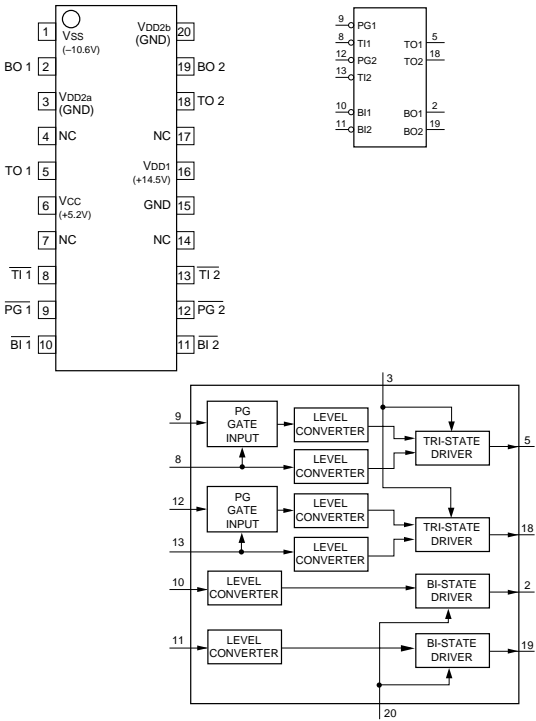


- INPUT**
- FA : REFERENCE FREQUENCY
  - FB : INPUT FREQUENCY FROM OUTSIDE COUNTER
  - PFD INH : PFD INHIBIT
  - SELECT : VCO OUTPUT FREQUENCY SELECT
  - VCO CONT : VCO CONTROL VOLTAGE
  - VCO INH : VCO INHIBIT
- OUTPUT**
- PFD : PHASE FREQUENCY DETECTOR
  - VCO : VOLTAGE CONTROLLED OSCILLATOR
- OTHER**
- R BIAS : BIAS RESISTOR FOR VCO OSCILLATION FREQUENCY SETTING



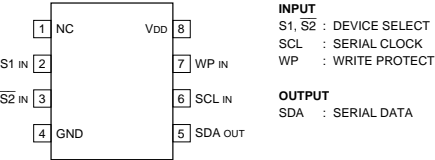
UPD16502GS-E2 (NEC)FLAT PACKAGE

C-MOS CCD DRIVER  
—TOP VIEW—

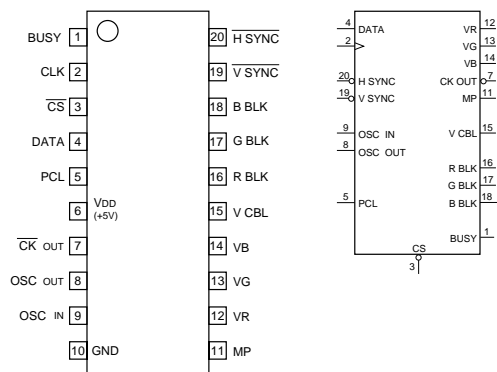


X24645S8C7000 (XICOR)(64 K-BIT)  
X24C02S-3.0-C7000 (XICOR)(2 K-BIT)

C-MOS SERIAL EEPROM  
—TOP VIEW—



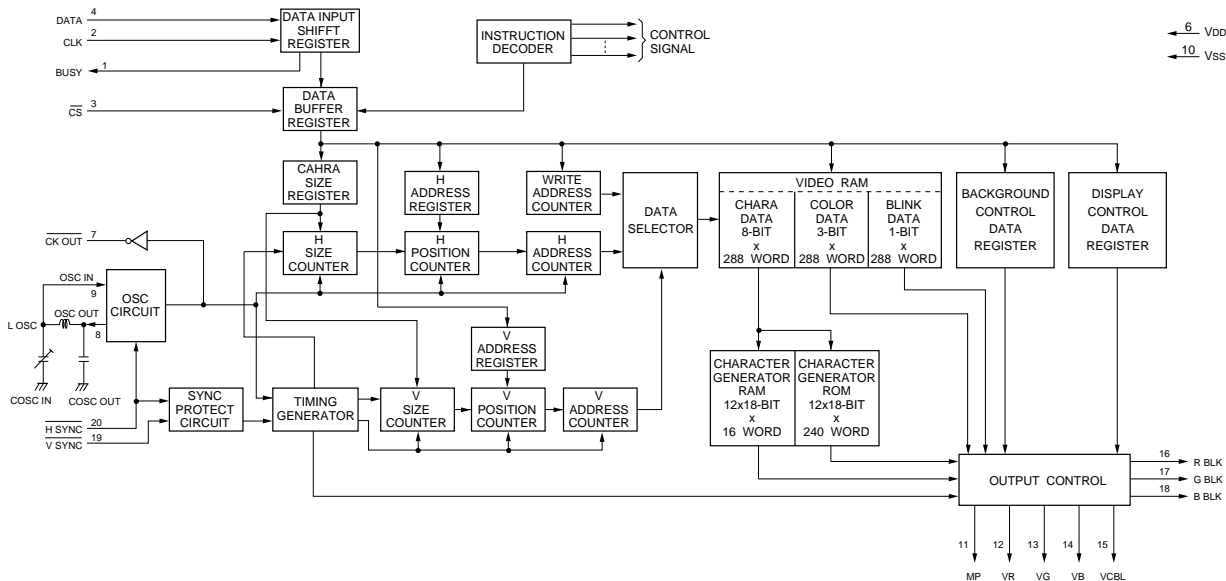
## UPD6453GT-658-E2 (NEC) FLAT PACKAGE

C-MOS ON-SCREEN CHARACTER DISPLAY  
—TOP VIEW—**INPUT**

CLK : CLOCK  
CS : CHIP SELECT  
DATA : SERIAL DATA  
H SYNC : HORIZONTAL SYNC  
OSC IN : OSCILLATOR IN  
PCL : POWER ON CLEAR  
V SYNC : VERTICAL SYNC

**OUTPUT**

BBLK, RBLK, GBLK : B, R, G, BLANKING  
BUSY : BUSY OUT  
CK OUT : CLOCK  
MP : MASK PULSE  
OSC OUT : OSCILLATOR OUT  
VR, VG, VB : R, G, B, CHARACTER DATA  
VCBL : VIDEO CUT BLANKING







## SECTION 5

### SPARE PARTS

#### 5-1. NOTES ON REPAIR PARTS

##### (1) Safety Related Components Warning

Components marked  $\triangle$  are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

##### (2) Standardization of Parts

Repair parts supplied from Sony Parts Center may not be always identical with the parts which actually in use due to "accommodating the improved parts and/or engineering changes" or "standardization of genuine parts".

This manual's exploded views and electrical spare parts list are indicating the part numbers of "the standardized genuine parts at present".

##### (3) Stock of Parts

Parts marked with "o" SP (Supply Code) column of the spare parts list are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

##### (4) Units for Capacitors, Inductors and Resistors

The following units are assumed in schematic diagrams, electrical parts list and exploded views unless otherwise specified.

Capacitors :  $\mu\text{F}$   
Inductors :  $\mu\text{H}$   
Resistors :  $\Omega$

#### 5-1. 補修用部品注意事項

##### (1) 安全重要部品



$\triangle$ 印のついた部品は安全性を維持するために重要な部品です。したがって、交換する時は必ず指定の部品を使ってください。

##### (2) 部品の共通化

ソニーから供給される部品は、セットに実装されているものと異なることがあります。これは部品の共通化、改良等によるものです。

分解図や電気部品表には現時点での共通化された部品が記載されています。

##### (3) 部品の在庫

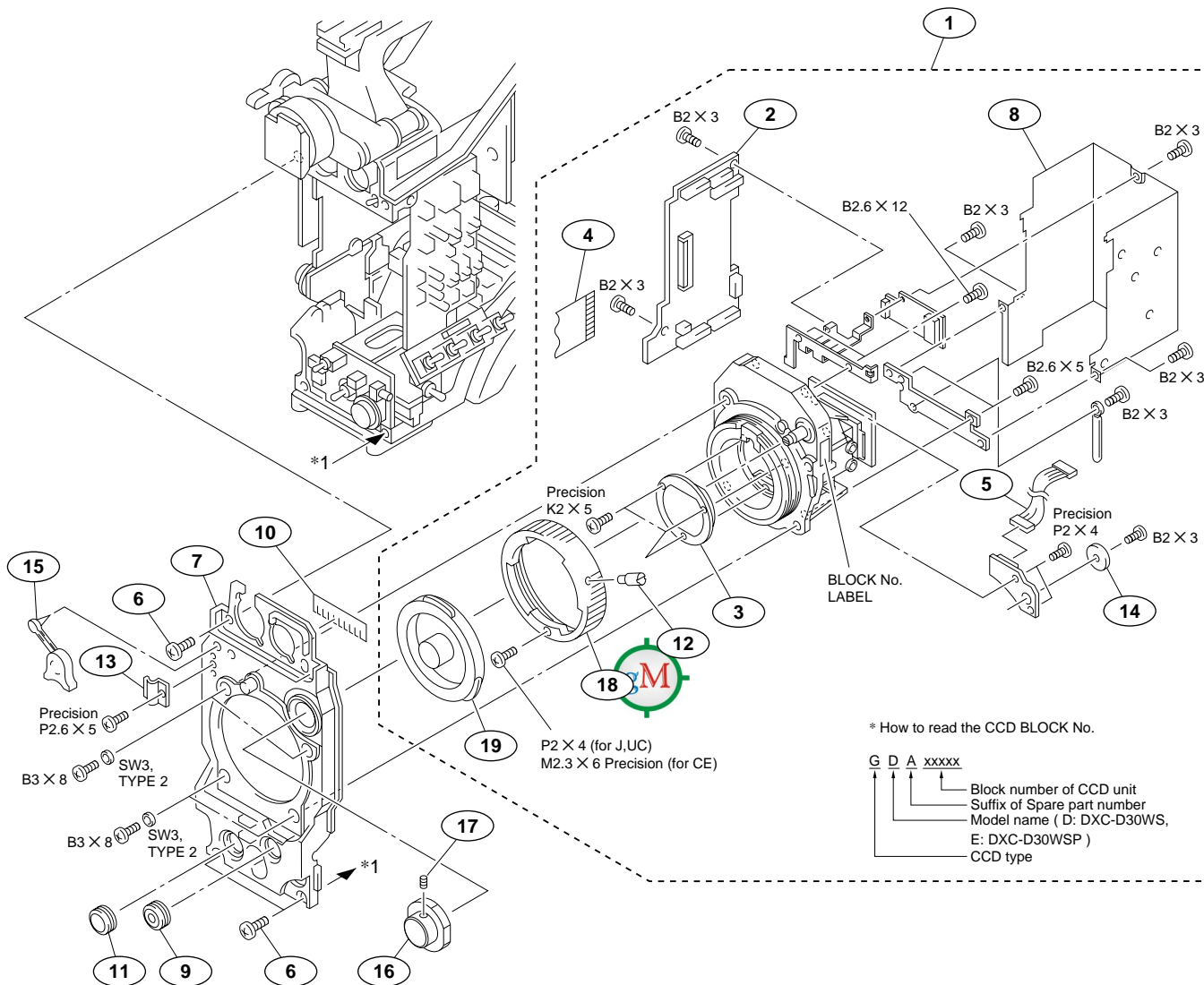
部品表のSP (Supply code) 欄にoで示される部品は交換頻度が低い部品ですので在庫していないことがあり、納期が長くなることがあります。

##### (4) コンデンサー，インダクター，抵抗の単位

回路図，分解図，電気部品表中，特に明記したものを除き，下記の単位は省略されています。

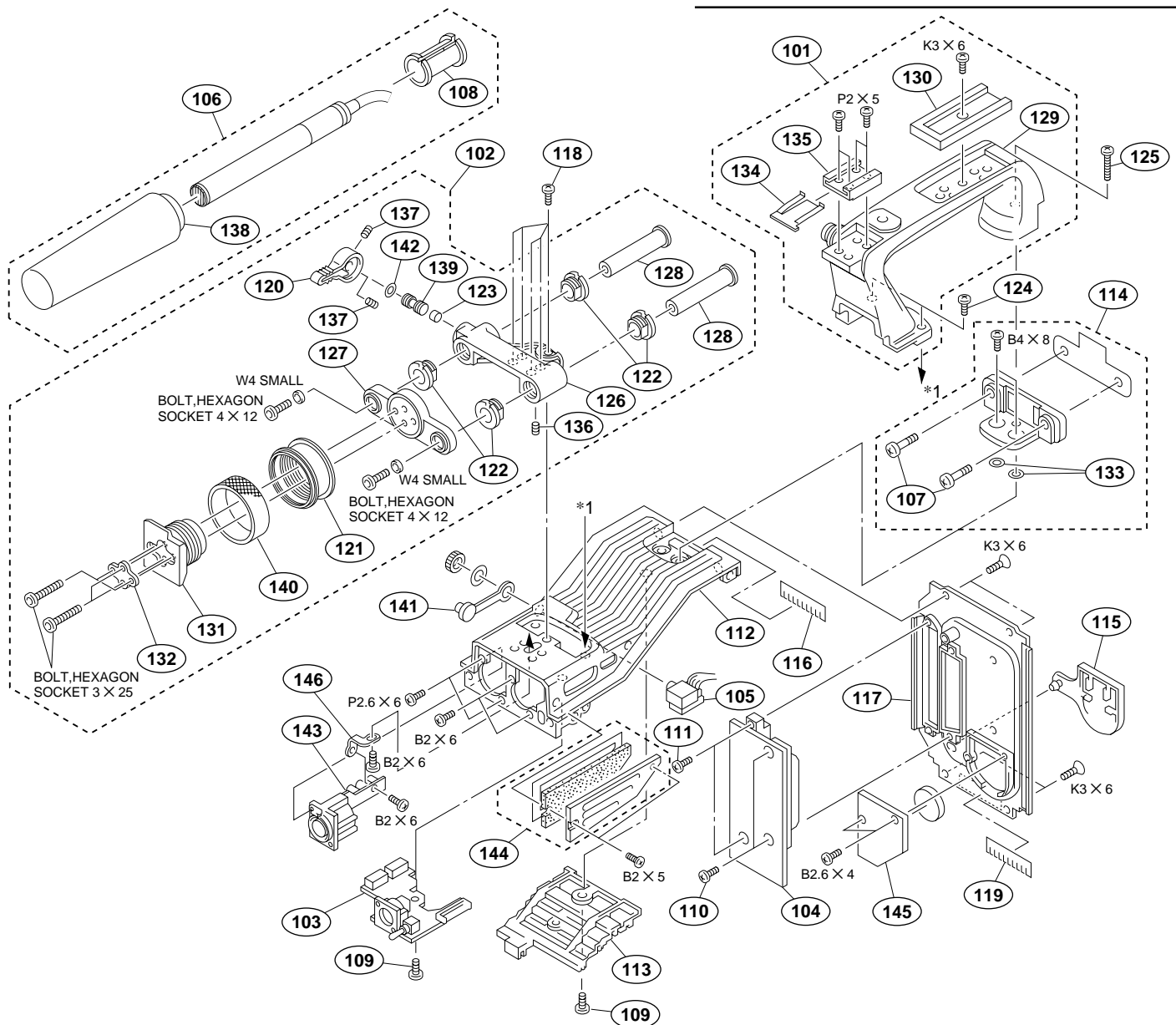
コンデンサー :  $\mu\text{F}$   
インダクター :  $\mu\text{H}$   
抵抗 :  $\Omega$

## 5-2. EXPLODED VIEWS



No.	Part No.	SP Description
1	A-8317-818-A	s CCD UNIT CD30WS(UC)(J) (for J,UC)
	A-8317-819-A	s CCD UNIT CD30WS(CE) (for CE)
2	A-8317-676-A	o MOUNTED CIRCUIT BOARD, TG-197
3	1-758-131-11	o FILTER UNIT, OPTICAL
4	1-777-768-11	s WIRE, FLAT TYPE (30-CORE)
5	1-956-512-11	o HARNESS, SUB (FL)
6	3-178-214-21	s SCREW (M3X10), +B
7	3-604-362-01	o PANEL, FRONT
8	3-612-293-01	o CASE, SHIELD(W)
9	3-604-391-01	o COVER, SW(M)
10	3-604-394-01	o FINGER, SHIELD(A)

No.	Part No.	SP Description
11	3-672-221-02	s PACKING, CONTROL
12	3-678-629-00	s LEVER, MOUNT
13	3-678-684-00	o HOLDER, CABLE
14	3-686-191-01	o PLATE, FILTER-ID
15	3-686-269-02	s STOPPER, MOUNT
16	3-688-781-02	s KNOB, FILTER
17	3-701-506-01	s SET SCREW, DOUBLE POINT 3X4
18	3-708-987-01	s RING, BAYONET (for J, UC)
	3-708-651-01	s RING, BAYONET (for CE)
19	3-699-048-01	s CAP, MOUNT



No. Part No. SP Description

101 A-8278-380-A s HANDLE ASSY  
 102 A-8278-420-A o VF SLIDE ASSY(5)  
 103 A-8317-673-A o MOUNTED CIRCUIT BOARD, CN-1594  
 104 A-8311-134-A o MOUNTED CIRCUIT BOARD, CN-1294  
 105 A-8311-136-A o MOUNTED CIRCUIT BOARD, CN-1349

106 1-542-296-21 o MICROPHONE  
 107 3-175-715-02 s SCREW, FITTING ADAPTOR  
 108 3-179-882-01 o SPACER, MICROPHONE  
 109 3-370-475-21 s SCREW (NYLOCK +B 3X6)  
 110 3-603-959-01 s NYLOCK SCREW +B2.6

111 3-603-960-01 s NYLOCK SCREW +B2  
 112 3-604-363-12 o CHASSIS, TOP  
 113 3-612-257-01 o PB RAIL, UPPER  
 114 A-8278-397-C o HANDLE SPACER ASSY  
 115 3-604-393-01 s COVER, BATTERY

116 3-604-394-01 o FINGER, SHIELD(A)  
 117 3-604-407-02 o CHASSIS, REAR  
 118 3-604-408-01 s BOLT, HEXAGON SOCKET(NYLOCK 4X10)  
 119 3-604-451-01 o FINGER, SHIELD(C)  
 120 3-673-046-00 s LEVER, LOCK

121 3-679-543-11 o RING(D), LOCK  
 122 3-679-684-01 o REST, ARM  
 123 3-679-702-01 o CUSION, STOPPER

No. Part No. SP Description

124 3-685-694-01 s NYLOCK +PSW M4X12  
 125 3-685-694-21 s NYLOCK +PSW M4X18  
 126 3-686-195-11 o SLIDE BASE, VF  
 127 3-686-196-02 o RETAINER, VF SHOE  
 128 3-686-197-01 o ARM, SLIDE  
 129 3-686-253-03 o HANDLE  
 130 3-686-254-01 o PLATE, BLIND

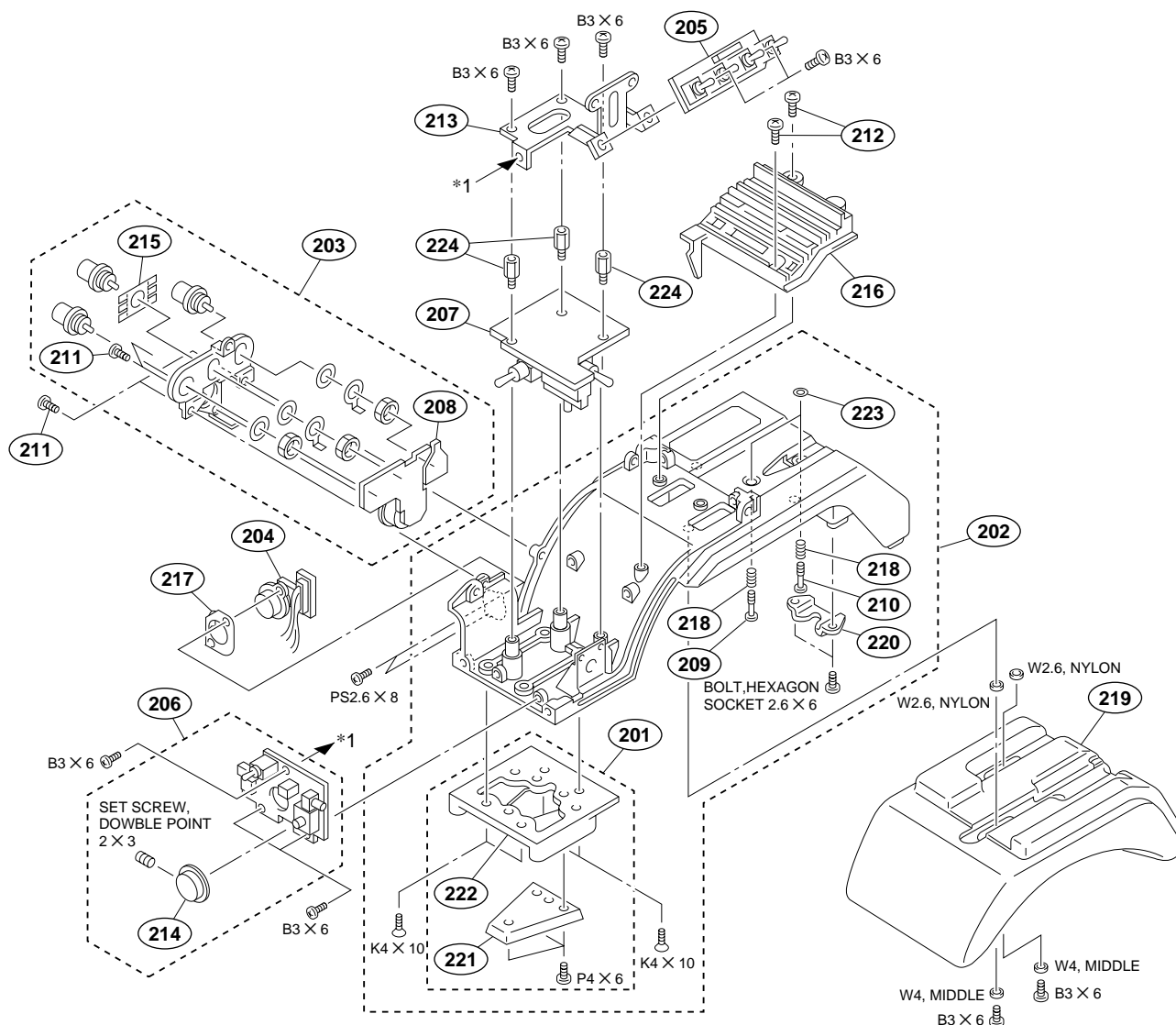
131 3-686-261-03 s SHOE3, VF SLIDE  
 132 3-687-070-01 o WASHER, SHOE  
 133 3-687-116-01 o WASHER(4), STOPPER  
 134 3-688-754-11 s SPRING, SHOE  
 135 3-688-755-11 s SHOE, ACCESSORY

136 3-701-506-01 s SET SCREW, DOUBLE POINT 3X4  
 137 3-701-508-00 s SET SCREW, DOUBLE POINT 3X6  
 138 3-709-096-01 o SCREEN, WIND  
 139 3-711-794-01 o PIN, STOPPER  
 140 3-720-919-01 o RUBBER, LOCK RING

141 3-849-405-00 s COVER, EARPHONE JACK  
 142 3-895-622-01 s RING (DIA. 5), O  
 143 A-8317-675-A o MOUNTED CIRCUIT BOARD, CN-1595  
 144 X-3604-501-1 o TOP COVER ASSY  
 145 1-663-024-12 o PRINTED CIRCUIT BOARD, BP-30

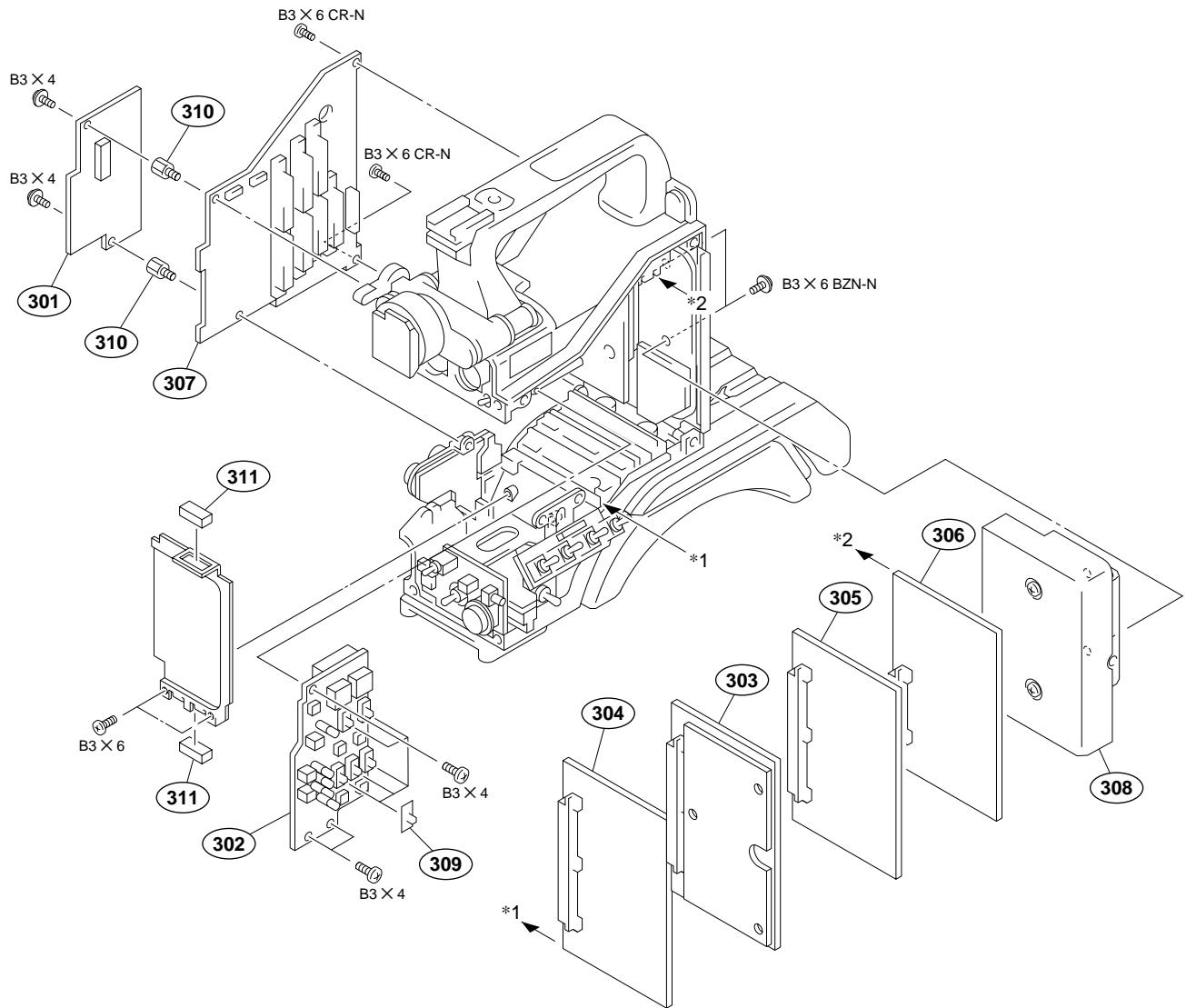
146 3-612-269-01 o PLATE, FIXED CN

# CHASSIS BLOCK (2) AND BOARDS



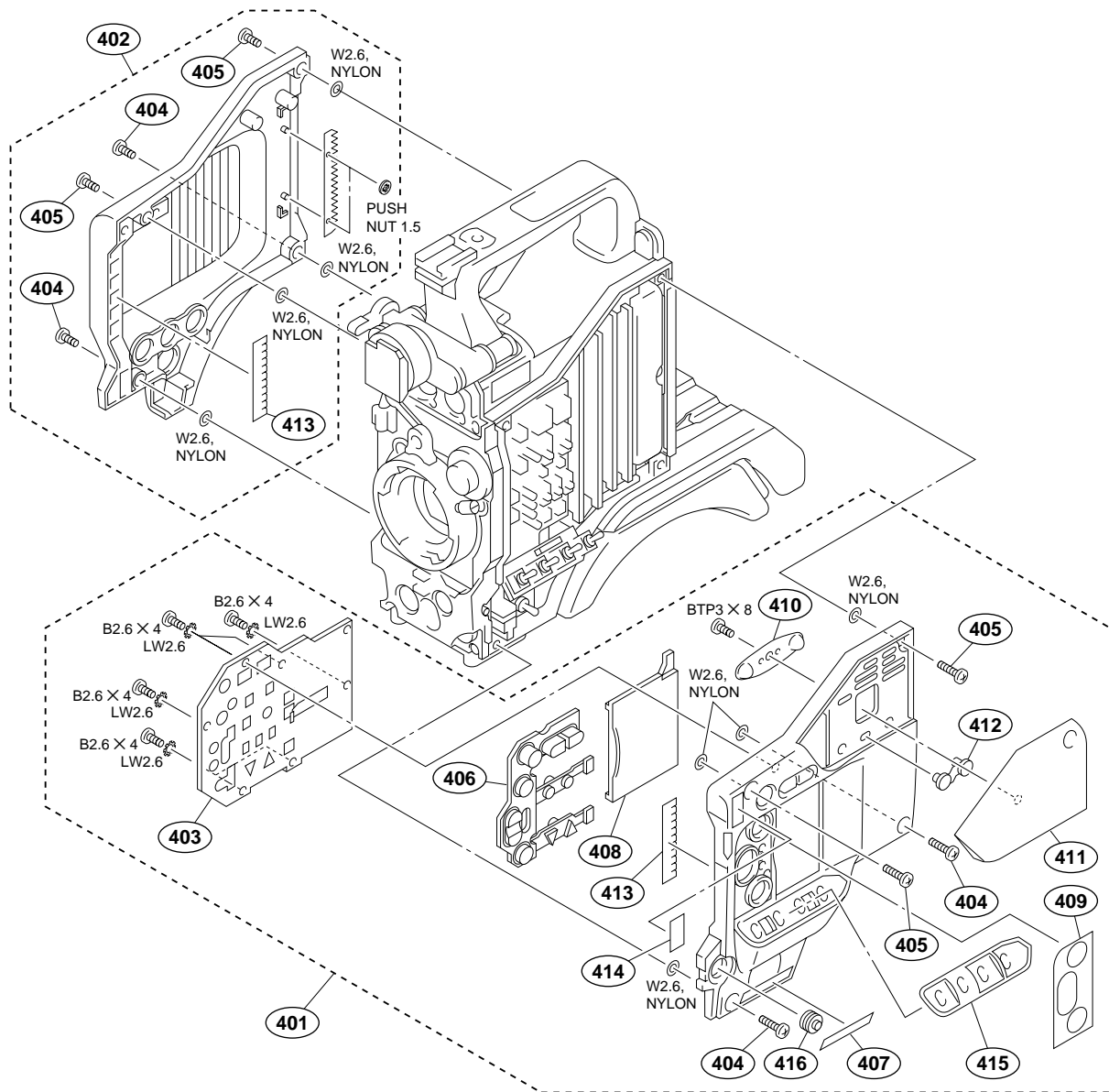
No.	Part No.	SP Description
201	A-7612-352-E s	V SHOE (A) ASSY
202	A-8278-241-B o	BASE CHASSIS ASSY
203	A-8317-835-A o	MOUNTED CIRCUIT BOARD, CN-1684 (For UC, CE)
	A-8317-836-A o	MOUNTED CIRCUIT BOARD, CN-1684J (For J)
204	A-8311-102-A o	MOUNTED CIRCUIT BOARD, CN-1194
205	A-8311-115-A o	MOUNTED CIRCUIT BOARD, SW-791
206	A-8311-131-A o	MOUNTED CIRCUIT BOARD, SW-792
207	A-8311-132-A o	MOUNTED CIRCUIT BOARD, SW-793
208	1-663-030-11 o	PRINTED CIRCUIT BOARD, CN-1410 (For UC, CE)
	1-663-029-11 o	PRINTED CIRCUIT BOARD, CN-1409(J) (For J)
209	3-175-715-02 s	SCREW, FITTING ADAPTOR
210	3-175-715-31 s	SCREW, FITTING ADAPTOR

No.	Part No.	SP Description
211	3-178-214-01 s	SCREW (M3X6), +B
212	3-370-475-21 s	SCREW (NYLOCK +B 3X6)
213	3-604-383-01 o	BRACKET, SW
214	3-604-390-01 s	KNOB, VR
215	3-604-416-01 o	FINGER, SHIELD(CN)
216	3-612-271-01 o	PB RAIL, LOWER
217	3-687-194-01 o	SPRING 2
218	3-694-121-01 s	SPRING, COMPRESSION
219	3-694-122-02 s	PAD, SHOULDER
220	3-711-703-01 o	STOPPER
221	3-716-391-01 o	WEDGE, MOUNTING
222	3-729-065-04 s	SHOE (A), CAMERA
223	3-892-114-00 s	RING (DIA. 3), O
224	3-608-159-01 o	BOSS (M3, H=8)

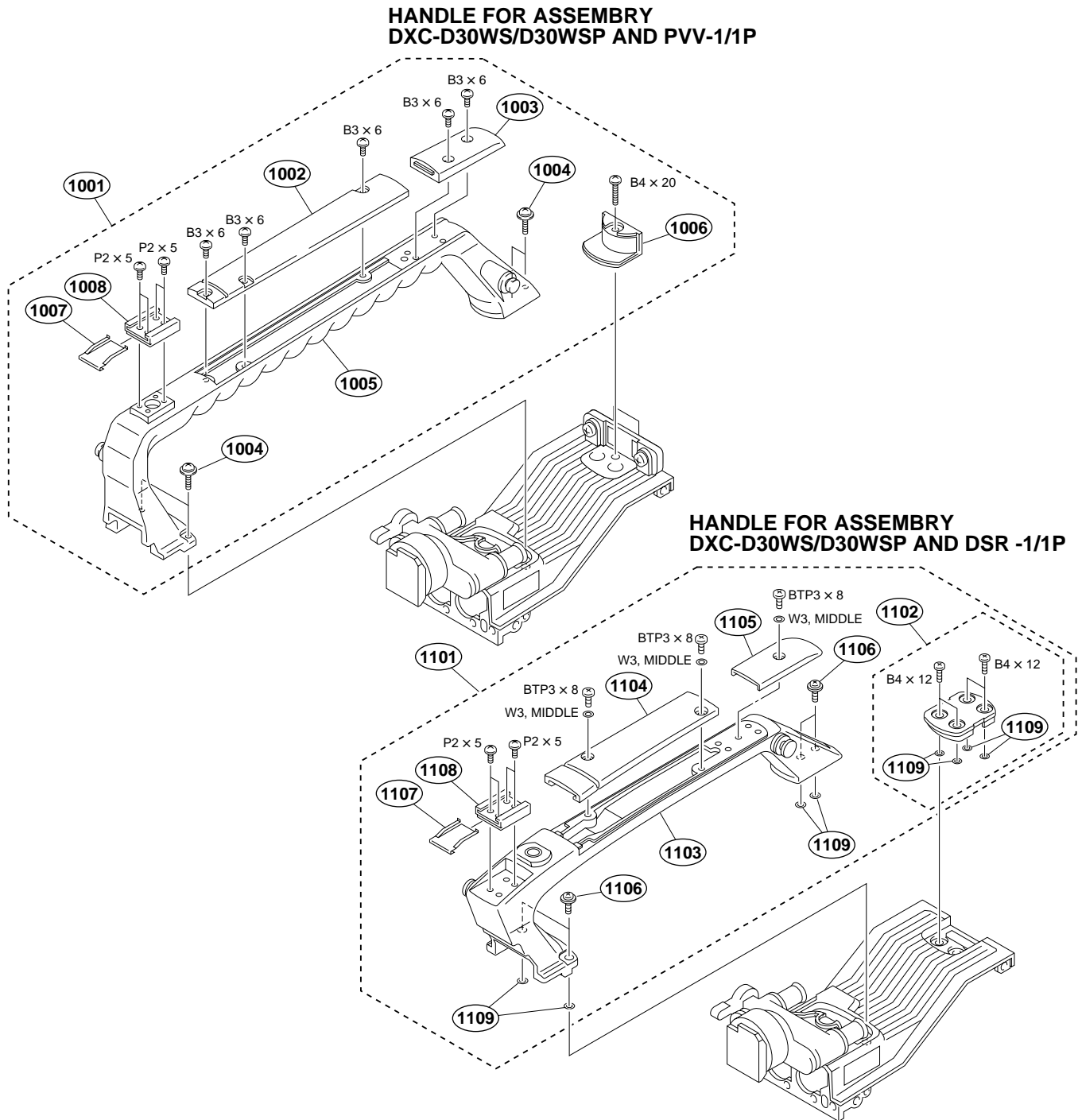


No.	Part No.	SP Description
301	A-8317-681-A	o MOUNTED CIRCUIT BOARD, AT-125
302	A-8311-119-A	o MOUNTED CIRCUIT BOARD, SW-790
303	A-8317-650-A	o MOUNTED CIRCUIT BOARD, PR-240
304	A-8317-671-A	o MOUNTED CIRCUIT BOARD, VA-185
305	A-8317-652-A	o MOUNTED CIRCUIT BOARD, IF-700
306	A-8317-678-A	o MOUNTED CIRCUIT BOARD, ES-22(N) (For J,UC)
	A-8317-688-A	o MOUNTED CIRCUIT BOARD, ES-22(P) (For CE)
307	A-8317-669-A	o MOUNTED CIRCUIT BOARD, MB-785
308	1-473-883-21	s CONVERTER UNIT, DC-DC
309	3-604-357-01	o KNOB(L), SW
310	3-608-159-01	o BOSS (M3, H=8)
	3-612-261-01	o RADIATION RUBBER(W)

## CHASSIS BLOCK (2)



No.	Part No.	SP Description
401	A-8278-796-A	o RIGHT PANEL ASSY
402	A-8278-770-A	o LEFT PANEL ASSY(W)
403	X-3678-738-1	o PLATE ASSY
404	3-178-214-21	s SCREW (M3X10), +B
405	3-178-214-41	s SCREW (M3X14), +B
406	3-604-366-02	s COVER, SWITCH
407	3-604-371-01	o LABEL, POWER
408	3-604-380-03	s DOOR, SIDE
409	3-604-382-01	o PLATE, ATW-SW
410	3-604-385-02	s SPRING, PAD
411	3-604-386-01	s PAD, SIDE
412	3-604-392-03	s STOPPER
413	3-604-395-01	o FINGER, SHIELD(B)
414	3-612-701-01	o LABEL, FILTER(A)
415	X-3678-985-2	o TOGGLE PLATE ASSY
416	3-676-244-00	s COVER, SWITCH



• HANDLE FOR ASSEMBRY DXC-D30WS/D30WSP AND PVV-1/1P

No.	Part No.	SP Description
1001	A-8311-272-A	s HANDLE ASSY (for PVV-D30/D30P)
1002	3-679-035-01	o LID, HANDLE
1003	3-679-036-01	o LID, HANDLE(2)
1004	3-685-694-01	s NYLOCK +PSW M4
1005	3-686-381-04	o HANDLE,(PVV)
1006	3-686-382-01	s PLATE, BLIND
1007	3-688-754-11	o SPRING, SHOE
1008	3-688-755-12	o SHOE, ACCESSORY

• HANDLE FOR ASSEMBRY DXC-D30WS/D30WSP AND DSR-1/1P

No.	Part No.	SP Description
1101	A-8311-936-A	s HANDLE ASSY (for DSR-130/130P)
1102	A-8278-419-A	s JOINT PLATE ASSY
1103	3-604-743-01	o HANDLE(DSR)
1104	3-604-744-01	o LID, HANDLE(1)
1105	3-604-745-01	o LID, HANDLE(2)
1106	3-604-746-01	s NYLOCK +PW 4X12
1107	3-688-754-11	o SPRING, SHOE
1108	3-688-755-12	o SHOE, ACCESSORY
1109	3-687-116-01	o WASHER, 4 STOPPER

### 5-3. ELECTRICAL PARTS LIST

AT-125 BOARD

Ref. No. or Q'ty	Part No.	SP Description
lpc	A-8317-681-A	o MOUNTED CIRCUIT BOARD, AT-125
C101	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C102	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C103	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C104	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C105	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C106	1-162-912-11	s CERAMIC, CHIP 7PF 0.5PF 50V
C107	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C109	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C110	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C111	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C112	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C113	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C114	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C115	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C116	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C117	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C118	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C119	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C120	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C121	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C122	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C123	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C124	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C125	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C126	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C127	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C128	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C129	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C130	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C131	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C132	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
CN101	1-770-451-21	o CONNECTOR, 70P
CV1	1-141-373-11	s CAP, CHIP TRIMMER
D101	8-719-421-69	s DIODE MA133
D102	8-719-975-40	s DIODE RB411D
D103	8-719-421-69	s DIODE MA133
IC101	8-759-421-83	s IC HD6437034SC81F
IC102	8-759-497-86	o IC MSM27C822-DXCD30WSV1.00
IC103	8-752-384-37	s IC CXK58257CTM-70LL-T6
IC104	8-752-384-37	s IC CXK58257CTM-70LL-T6
IC105	8-759-243-19	s IC TC7SU04F
IC106	8-759-940-45	s IC S-8054HN-CB
IC109	8-759-182-95	s IC HD151015T
IC110	8-759-196-96	s IC TC7SH08FU-TE85R
IC111	8-759-082-57	s IC TC7W04FU
IC112	8-759-252-59	s IC MAX202CSE
IC113	8-759-082-61	s IC TC4W53FU
IC114	8-759-082-61	s IC TC4W53FU
L101	1-412-955-11	s INDUCTOR 22uH
L102	1-412-943-11	s INDUCTOR 2.2uH
L104	1-412-955-11	s INDUCTOR 22uH
L105	1-412-955-11	s INDUCTOR 22uH

(AT-125 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q101	8-729-402-19	s TRANSISTOR XN6501
Q102	8-729-402-19	s TRANSISTOR XN6501
R110	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R111	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R112	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R113	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R114	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R115	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R116	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R118	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R121	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R122	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R125	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R126	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R131	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R132	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R134	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R135	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R136	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R137	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R138	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R139	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R140	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R141	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R142	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R143	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R144	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R145	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R146	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R147	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R148	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R149	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R150	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R151	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R152	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R153	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R154	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R163	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R164	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R166	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
RB101	1-239-309-11	s RESISTOR BLOCK, CHIP 100KX8
RB102	1-239-426-11	s RESISTOR BLOCK, CHIP 2.2KX4
RB103	1-239-412-11	s RESISTOR BLOCK, CHIP 100X4
RB104	1-239-428-11	s RESISTOR BLOCK, CHIP 3.3KX4
RB105	1-239-309-11	s RESISTOR BLOCK, CHIP 100KX8
RB106	1-239-309-11	s RESISTOR BLOCK, CHIP 100KX8
RB107	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB108	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
X1	1-760-273-11	s CRYSTAL 20MHz



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BP-30 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-663-024-11	o PRINTED CIRCUIT BOARD, BP-30
1pc	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-569-679-11	o CONTACT, FEMALE
1pc	1-569-680-11	o HOUSING, 2P
BT701	1-550-414-31	s HOLDER, BATTERY

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CN-1194 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-102-A	o MOUNTED CIRCUIT BOARD, CN-1194
1pc	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o CONTACT, FEMALE
C401	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C402	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C403	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C404	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C405	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C406	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C407	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C408	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C409	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C410	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
CN401	1-562-221-31	s RECEPTACLE, CONNECTOR 12P
W401	1-956-517-11	o HARNESS, SUB (CN1194)

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CN-1294 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-134-A	o MOUNTED CIRCUIT BOARD, CN-1294
C801	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C802	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C803	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C804	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C805	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C806	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
CN801	1-778-658-11	o CONNECTOR, BOARD TO BOARD 76P
CN802	1-573-120-11	s CONNECTOR, MULTI 50P
CN803	1-778-659-11	o PIN, CONNECTOR (PC BOARD) 3P
CN804	1-580-055-21	s PIN, CONNECTOR 2P
FB801	1-543-775-11	s FILTER, EMI
FL801	1-236-164-11	s ENCAPSULATED COMPONENT
IC801	8-759-196-93	s IC TC7SH00FU-TE85R
IC802	8-759-524-52	s IC TC74VHC574FT(EL)
IC803	8-759-524-52	s IC TC74VHC574FT(EL)
L801	1-412-963-11	s INDUCTOR 100uH
R801	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R802	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
RB801	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB802	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB803	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB804	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB805	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8

-----  
CN-1349 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-136-A	o MOUNTED CIRCUIT BOARD, CN-1349
1pc	1-500-032-11	s FERRITE 0uH
1pc	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-569-618-11	o HOUSING, CONNECTOR 3P
1pc	1-569-679-11	o CONTACT, FEMALE
C801	1-163-009-11	s CERAMIC, CHIP 0.001uF 10% 50V
C802	1-163-009-11	s CERAMIC, CHIP 0.001uF 10% 50V
CN801	1-507-980-41	s JACK
W801	1-956-518-11	o HARNESS, SUB (REMOTE)

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CN-1409(J) BOARD :For J  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-663-029-11	o PRINTED CIRCUIT BOARD, CN-1409(J) [for J]
CN604	1-507-858-31	s JACK, PIN 1P

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CN-1410 BOARD :For UC,CE  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-663-030-11	o PRINTED CIRCUIT BOARD, CN-1410 [for UC,CE]
CN604	1-562-382-31	s CONNECTOR, BNC

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CN-1594 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-673-A	o MOUNTED CIRCUIT BOARD, CN-1594
C501	1-163-009-11	s CERAMIC, CHIP 0.001uF 10% 50V
C502	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C503	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C504	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C505	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C506	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C507	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C508	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C509	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C510	1-128-528-11	s ELECT 470uF 20% 25V
C511	1-107-877-11	s ELECT 1000uF 20% 10V
CN501	1-565-249-11	o SOCKET, CONNECTOR 20P FEMALE
CN502	1-764-177-11	o PIN, CONNECTOR(1.5MM) 7P
CN503	1-506-491-11	s CONNECTOR, 12P, MALE
CN506	1-566-758-11	o PIN, CONNECTOR (PC BOARD) 3P
FB501	1-414-135-11	s INDUCTOR CHIP 0uH
FB502	1-412-978-21	s INDUCTOR 0.82uH
FB503	1-412-978-21	s INDUCTOR 0.82uH
FB504	1-412-978-21	s INDUCTOR 0.82uH
FL501	1-239-077-11	s FILTER, EMI
IC501	8-759-050-94	s IC SN74HC165APW-E05
IC503	8-759-049-58	s IC SN74HC04APW-E05
IC504	8-759-058-62	s IC TC7S08FU(TE85R)
L503	1-412-955-11	s INDUCTOR 22uH
Q501	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q502	8-729-216-22	s TRANSISTOR 2SA1162
R501	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R502	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R503	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R504	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R505	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R506	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R507	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R508	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R509	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R510	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R511	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R512	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R513	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R514	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R515	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R516	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R517	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R518	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R519	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R520	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R521	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R522	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R523	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R524	1-216-041-00	s METAL, CHIP 470 5% 1/10W
S501	1-762-827-11	s SWITCH, TOGGLE

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CN-1595 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-675-A	o MOUNTED CIRCUIT BOARD, CN-1595
1pc	1-565-977-11	s CONTACT, FEMALE AWG 28-32
C901	1-107-561-11	s FILM, CHIP 0.01uF 5% 50V
C902	1-107-561-11	s FILM, CHIP 0.01uF 5% 50V
C903	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C904	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C905	1-126-219-11	s ELECT 3.3uF 20% 63V
C906	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C907	1-126-219-11	s ELECT 3.3uF 20% 63V
C908	1-126-219-11	s ELECT 3.3uF 20% 63V
C909	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C910	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C911	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C912	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
CN901	1-764-394-11	s CONNECTOR, XLR, 3P FEMALE
D901	8-719-800-76	s DIODE 1SS226
D902	8-719-800-76	s DIODE 1SS226
FB901	1-414-445-11	s INDUCTOR CHIP 0uH
FB902	1-414-445-11	s INDUCTOR CHIP 0uH
FB903	1-414-445-11	s INDUCTOR CHIP 0uH
IC901	8-759-700-09	s IC NJM2043M-D
Q901	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R901	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R902	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R903	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R904	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R905	1-208-819-11	s METAL, CHIP 36K 0.50% 1/10W
R906	1-208-806-11	s METAL, CHIP 10K 0.50% 1/10W
R907	1-208-819-11	s METAL, CHIP 36K 0.50% 1/10W
R908	1-208-806-11	s METAL, CHIP 10K 0.50% 1/10W
R909	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R910	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R911	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
W901	1-958-324-11	o HARNESS, SUB (HARNESS CN1594)

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CN-1684 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-835-A	o MOUNTED CIRCUIT BOARD, CN-1684
	* CN-1410 BOARD	is included. [for UC,CE]
1pc	A-8317-836-A	o MOUNTED CIRCUIT BOARD, CN-1684J
	* CN-1409 BOARD	is included. [for J]
1pc	1-500-111-11	s CORE
3pcs	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-565-978-11	o HOUSING, 6P
1pc	1-569-621-11	o HOUSING, CONNECTOR 12P
2pcs	1-569-679-11	o CONTACT, FEMALE
1pc	1-569-680-11	o HOUSING, 2P
1pc	4-352-844-01	s PIN, LEAD, COATING
1pc	3-604-416-01	o SHIELD FINGER(CN)
2pcs	7-621-770-87	s SCREW +B 2.6X5
C602	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C603	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C604	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C605	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C606	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C608	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C609	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C610	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C611	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
CN601	1-565-443-11	o CONNECTOR, 10P FEMALE
CN602	1-562-382-31	s CONNECTOR, BNC
CN603	1-561-320-41	s DIN SOCKET 8P
FB601	1-414-445-11	s INDUCTOR CHIP 0uH
FB602	1-414-445-11	s INDUCTOR CHIP 0uH
FB603	1-414-445-11	s INDUCTOR CHIP 0uH
FB604	1-414-445-11	s INDUCTOR CHIP 0uH
FB605	1-414-445-11	s INDUCTOR CHIP 0uH
FB606	1-414-445-11	s INDUCTOR CHIP 0uH
FB607	1-414-445-11	s INDUCTOR CHIP 0uH
FB608	1-414-445-11	s INDUCTOR CHIP 0uH
FB609	1-414-445-11	s INDUCTOR CHIP 0uH
FL601	1-239-077-11	s FILTER, EMI
R601	1-216-295-91	s METAL, CHIP 0 5% 1/10W
W601	1-956-528-11	o HARNESS, SUB (CN1196-1)
W602	1-958-469-11	o HARNESS, SUB (1684)
W603	1-956-526-11	o HARNESS, SUB (LCD)

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DUS-139 BOARD :For MB-785 board  
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Ref. No. or Q'ty	Part No.	SP Description
IC1	8-759-050-90	s IC SN74HC158APW-E05
C1	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

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DUS-142 BOARD :For ES-22(N)/22(P) board  
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Ref. No. or Q'ty	Part No.	SP Description
C3	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
IC2	8-759-058-54	s IC TC7S00FU(TE85R)
IC3	8-759-447-77	s IC TC7WH74FU(TE12R)
R2	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R3	1-216-864-11	s METAL, CHIP 0 5% 1/16W

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DUS-142 BOARD :For PR-240 board  
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Ref. No. or Q'ty	Part No.	SP Description
C2	1-162-919-11	s CERAMIC, CHIP 22pF 5% 50V
C3	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C4	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
IC2	8-759-196-96	s IC TC7SH08FU-TE85R
IC3	8-759-447-77	s IC TC7WH74FU(TE12R)
R2	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R3	1-216-864-11	s METAL, CHIP 0 5% 1/16W

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DUS-143 BOARD :For IF-700 board  
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Ref. No. or Q'ty	Part No.	SP Description
C1	1-162-921-11	s CERAMIC, CHIP 33pF 5% 50V
IC1	8-759-196-95	s IC TC7SH04FU-TE85R
R1	1-218-831-11	s METAL, CHIP 220 0.5% 1/16W
R2	1-218-823-11	s METAL, CHIP 100 0.5% 1/16W

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ES-22(N)/22(P) BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-678-A	o MOUNTED CIRCUIT BOARD, ES-22(N) [for DXC-D30WS]
1pc	A-8317-688-A	o MOUNTED CIRCUIT BOARD, ES-22(P) [for DXC-D30WSP]
C501	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C502	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C503	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C504	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C505	1-115-154-11	s ELECT 10uF 20% 16V
C506	1-115-154-11	s ELECT 10uF 20% 16V
C507	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C508	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C509	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C510	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C512	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C513	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for DXC-D30WSP]
C514	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C515	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C516	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C517	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C518	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C520	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C521	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C522	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C523	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C524	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C525	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C526	1-115-154-11	s ELECT 10uF 20% 16V
C527	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C528	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V [for DXC-D30WS]
C528	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V [for DXC-D30WSP]
C529	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C530	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C531	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C532	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C533	1-135-210-11	s TANTALUM, CHIP 4.7uF 10% 10V
C534	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C535	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C536	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C537	1-126-395-11	s ELECT, CHIP 22uF 20% 16V
C538	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C539	1-135-210-11	s TANTALUM, CHIP 4.7uF 10% 10V
C540	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C541	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C542	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C543	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C544	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C545	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C546	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C547	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C548	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C549	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C550	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C551	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C552	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C553	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V

## (ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C554	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C555	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C556	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C557	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C558	1-104-914-11	s TANTALUM 22uF 20% 16V
C559	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C560	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C561	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C562	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C563	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C564	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C565	1-126-395-11	s ELECT, CHIP 22uF 20% 16V [for DXC-D30WSP]
C566	1-126-395-11	s ELECT, CHIP 22uF 20% 16V [for DXC-D30WSP]
C567	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C568	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C569	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C570	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C571	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C573	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C576	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C577	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for DXC-D30WS]
C577	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V [for DXC-D30WSP]
C578	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C579	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C580	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C581	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C582	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C583	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C584	1-113-981-11	s TANTALUM, CHIP 22uF 20% 20V
C585	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C586	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C587	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C588	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C589	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C590	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C591	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C592	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C593	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C594	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C595	1-164-739-11	s CERAMIC, CHIP 560PF 5% 50V
C596	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C597	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C598	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C599	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C600	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C601	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V [for DXC-D30WS]
C601	1-162-918-11	s CERAMIC, CHIP 18PF 5% 50V [for DXC-D30WSP]
C602	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C603	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C605	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C606	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C607	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C608	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V

## (ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C609	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C610	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C611	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C612	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C613	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C614	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C615	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C616	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C617	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C618	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C619	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C620	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C621	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C622	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C623	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C624	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C626	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C627	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C628	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C629	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C631	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C632	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C633	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C634	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C635	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C636	1-126-391-11	s ELECT, CHIP 47uF 20% 6.3V
C637	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V [for DXC-D30WSP]
C638	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C639	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C641	1-104-913-11	s TANTALUM, CHIP 10uF 20% 16V
C642	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C643	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C644	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C645	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C646	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C647	1-162-924-11	s CERAMIC, CHIP 56PF 5% 50V [for DXC-D30WS]
C647	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V [for DXC-D30WSP]
C648	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C651	1-162-913-11	s CERAMIC, CHIP 8PF 0.5PF 50V
C652	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C653	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C654	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C656	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
CP501	1-760-267-11	s VCO, CRYSTAL 14.3818MHz [for DXC-D30WS]
CP501	1-760-269-11	s VCO 17.734475MHz [for DXC-D30WSP]
D501	8-719-059-51	s DIODE MA3J142E0LSO
D502	8-719-059-51	s DIODE MA3J142E0LSO
D503	8-719-059-51	s DIODE MA3J142E0LSO
D504	8-719-059-52	s DIODE MA3J14300LSO
D505	8-719-029-63	s DIODE RD4.3UH-T1
D506	8-719-029-63	s DIODE RD4.3UH-T1
D507	8-719-029-63	s DIODE RD4.3UH-T1
D508	8-719-029-57	s DIODE RD2.4UH-T1
D510	8-719-059-52	s DIODE MA3J14300LSO
D511	8-719-029-55	s DIODE RD2.0UH-T1

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Ref. No. or Q'ty	Part No.	SP Description
D512	8-719-059-52	s DIODE MA3J14300LSO
DL501	1-415-761-21	s DELAY LINE, LC 245ns
DL502	1-415-760-21	s DELAY LINE, LC 105ns
DL503	1-411-271-21	s DELAY LINE
DL504	1-411-272-21	s DELAY LINE
FL501	1-233-342-11	s FILTER, TRAP
FL502	1-402-647-11	s DELAY LINE (90fl) (NTSC) [for DXC-D30WS]
FL502	1-402-646-21	s DELAY LINE (90??)(PAL) [for DXC-D30WSP]
FL503	1-233-737-11	s FILTER, BANDPASS [for DXC-D30WS]
FL503	1-233-738-11	s FILTER, BANDPASS [for DXC-D30WSP]
IC501	8-759-234-77	s IC TC4S66F
IC502	8-759-234-77	s IC TC4S66F
IC503	8-759-066-61	s IC TC4053BFS
IC504	8-759-066-61	s IC TC4053BFS
IC505	8-759-049-58	s IC SN74HC04APW-E05
IC506	8-759-234-20	s IC TC7S08F
IC507	8-752-060-98	s IC CXA1393AN
IC508	8-759-258-43	s IC LTI253CS8-E2
IC509	8-759-101-12	s IC UPC311G2
IC510	8-759-086-41	s IC X24C02S-3.0
IC511	8-759-635-27	s IC M62352GP
IC512	8-759-059-50	s IC MB88351PFV
IC513	8-759-031-84	s IC SC7S04F
IC514	8-759-082-61	s IC TC4W53FU
IC515	8-752-335-47	s IC CXD1216M
IC516	8-759-082-61	s IC TC4W53FU
IC517	8-759-510-71	s IC BA10358F-E2
IC518	8-759-082-61	s IC TC4W53FU
IC519	8-759-234-20	s IC TC7S08F [for DXC-D30WSP]
IC520	8-759-031-84	s IC SC7S04F
IC521	8-759-049-96	s IC SN74HC32APW-E20
IC522	8-759-234-20	s IC TC7S08F
IC523	8-759-031-84	s IC SC7S04F [for DXC-D30WSP]
IC524	8-752-341-58	s IC CXD1217Q
IC525	8-759-209-57	s IC TC4S69F
IC526	8-759-209-57	s IC TC4S69F [for DXC-D30WSP]
IC527	8-759-209-57	s IC TC4S69F
IC528	8-759-195-02	s IC TC7S86F-TE85R
IC529	8-759-510-71	s IC BA10358F-E2
IC530	8-759-902-88	s IC SN74LS123NS
IC531	8-759-082-61	s IC TC4W53FU
IC532	8-759-523-04	s IC TC74HC4538AFT(EL)
IC533	8-759-112-66	s IC UPC812G2
IC534	8-759-049-55	s IC SN74HC00APW-E20
IC535	8-759-185-42	s IC LM4040AIM3-2.5
IC536	8-759-076-06	s IC TL064CPW
IC537	8-759-082-61	s IC TC4W53FU
IC538	8-759-082-61	s IC TC4W53FU
IC539	8-759-906-59	s IC CX22017
IC540	8-759-195-02	s IC TC7S86F-TE85R [for DXC-D30WSP]
IC541	8-759-082-61	s IC TC4W53FU
IC542	8-759-295-09	s IC TLC2932IPW-E20 [for DXC-D30WS]
IC543	8-759-031-84	s IC SC7S04F
IC544	8-759-050-10	s IC SN74HC163APW-E05 [for DXC-D30WS]
IC546	8-759-050-10	s IC SN74HC163APW-E05 [for DXC-D30WS]

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Ref. No. or Q'ty	Part No.	SP Description
IC547	8-759-050-10	s IC SN74HC163APW-E05 [for DXC-D30WS]
IC548	8-759-209-57	s IC TC4S69F
L501	1-412-955-11	s INDUCTOR 22uH
L502	1-412-955-11	s INDUCTOR 22uH
L503	1-412-955-11	s INDUCTOR 22uH
L504	1-412-955-11	s INDUCTOR 22uH
L505	1-412-957-11	s INDUCTOR 33uH
L506	1-412-959-11	s INDUCTOR 47uH
L507	1-412-955-11	s INDUCTOR 22uH
L508	1-412-955-11	s INDUCTOR 22uH
L509	1-412-955-11	s INDUCTOR 22uH
L510	1-412-955-11	s INDUCTOR 22uH
L511	1-410-656-11	s INDUCTOR CHIP 150uH [for DXC-D30WS]
L511	1-410-393-11	s INDUCTOR CHIP 100uH [for DXC-D30WSP]
L512	1-412-959-11	s INDUCTOR 47uH
L513	1-412-959-11	s INDUCTOR 47uH
L514	1-412-959-11	s INDUCTOR 47uH
L515	1-412-955-11	s INDUCTOR 22uH
L516	1-412-955-11	s INDUCTOR 22uH
L517	1-412-959-11	s INDUCTOR 47uH
L518	1-412-280-31	s INDUCTOR 330uH
L519	1-412-280-31	s INDUCTOR 330uH
L520	1-412-959-11	s INDUCTOR 47uH
L521	1-412-959-11	s INDUCTOR 47uH
L522	1-412-959-11	s INDUCTOR 47uH
L523	1-412-955-11	s INDUCTOR 22uH
Q501	8-729-402-84	s TRANSISTOR XN4601
Q502	8-729-117-32	s TRANSISTOR 2SC4177
Q503	8-729-403-29	s TRANSISTOR XN6435
Q504	8-729-402-19	s TRANSISTOR XN6501
Q505	8-729-117-32	s TRANSISTOR 2SC4177
Q506	8-729-403-29	s TRANSISTOR XN6435
Q507	8-729-117-32	s TRANSISTOR 2SC4177
Q508	8-729-403-32	s TRANSISTOR XN6534
Q509	8-729-403-29	s TRANSISTOR XN6435
Q510	8-729-402-84	s TRANSISTOR XN4601
Q511	8-729-403-32	s TRANSISTOR XN6534
Q512	8-729-117-32	s TRANSISTOR 2SC4177
Q513	8-729-403-29	s TRANSISTOR XN6435
Q514	8-729-403-29	s TRANSISTOR XN6435
Q515	8-729-402-84	s TRANSISTOR XN4601
Q516	8-729-402-84	s TRANSISTOR XN4601
Q517	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q518	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q519	8-729-402-19	s TRANSISTOR XN6501
Q520	8-729-403-29	s TRANSISTOR XN6435
Q521	8-729-402-84	s TRANSISTOR XN4601
Q522	8-729-141-53	s TRANSISTOR 2SK94-X2X3X4
Q523	8-729-905-35	s TRANSISTOR 2SC4081R
Q524	8-729-403-29	s TRANSISTOR XN6435
Q525	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q526	8-729-402-84	s TRANSISTOR XN4601
Q527	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q528	8-729-402-19	s TRANSISTOR XN6501
Q529	8-729-122-63	s TRANSISTOR 2SA1226
Q530	8-729-402-19	s TRANSISTOR XN6501

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Ref. No. or Q'ty	Part No.	SP Description
Q531	8-729-402-78	s TRANSISTOR XN6401
Q532	8-729-402-19	s TRANSISTOR XN6501
Q533	8-729-905-35	s TRANSISTOR 2SC4081R
Q534	8-729-402-19	s TRANSISTOR XN6501
Q535	8-729-403-29	s TRANSISTOR XN6435
Q536	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q538	8-729-402-84	s TRANSISTOR XN4601
Q539	8-729-905-35	s TRANSISTOR 2SC4081R
Q540	8-729-402-84	s TRANSISTOR XN4601
Q541	8-729-101-07	s TRANSISTOR 2SB798
Q542	8-729-101-07	s TRANSISTOR 2SB798
Q543	8-729-807-51	s TRANSISTOR 2SD1623-S
Q544	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q545	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q546	8-729-905-35	s TRANSISTOR 2SC4081R
Q547	8-729-402-78	s TRANSISTOR XN6401
Q548	8-729-905-35	s TRANSISTOR 2SC4081R
Q549	8-729-905-35	s TRANSISTOR 2SC4081R
Q550	8-729-402-78	s TRANSISTOR XN6401
Q551	8-729-905-35	s TRANSISTOR 2SC4081R
Q552	8-729-402-84	s TRANSISTOR XN4601
Q553	8-729-402-84	s TRANSISTOR XN4601
Q554	8-729-402-19	s TRANSISTOR XN6501
Q555	8-729-402-19	s TRANSISTOR XN6501
Q556	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
R501	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R502	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R503	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R504	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R505	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R506	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R507	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R508	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R509	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R510	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R511	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R512	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R513	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R514	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R515	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R516	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R517	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R518	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R519	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R520	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R521	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R522	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R523	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R524	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R525	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R526	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R527	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R529	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R530	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R531	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R532	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R533	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R534	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R535	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R536	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R537	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R538	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R539	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R540	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R541	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R542	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R543	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R544	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R545	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R546	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R547	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R548	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R549	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R550	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R551	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R552	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R553	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R554	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R555	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R556	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R557	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R558	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R559	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R560	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R561	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R562	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R563	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R564	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R565	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R566	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R567	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R568	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R570	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R571	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R572	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R573	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R574	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R575	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R576	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R577	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R578	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R581	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R582	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R583	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R584	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R588	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R589	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R590	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R591	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R592	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R593	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R594	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R595	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R596	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R597	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R598	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R599	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R600	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R601	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R602	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R603	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R604	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R605	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R606	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R607	1-216-848-11	s METAL, CHIP 180K 5% 1/16W
R608	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R609	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R610	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R611	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R612	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R613	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R614	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R615	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R616	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R617	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R618	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R619	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R620	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R621	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R623	1-218-854-11	s METAL, CHIP 2K 0.50% 1/16W
R624	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R625	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R626	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R627	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R628	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R629	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R630	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R631	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R632	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R633	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R634	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R635	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R636	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R637	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R639	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R640	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R641	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R642	1-218-845-11	s METAL, CHIP 820 0.50%
R643	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R644	1-216-794-11	s METAL, CHIP 5.6 5% 1/16W
R645	1-216-794-11	s METAL, CHIP 5.6 5% 1/16W
R646	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R647	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R648	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R649	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R650	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R651	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R652	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R653	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R654	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R655	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R656	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R657	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R658	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R659	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R660	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R661	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

## (ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R662	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R663	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R664	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R665	1-216-848-11	s METAL, CHIP 180K 5% 1/16W
R666	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R667	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W [for DXC-D30WS]
R667	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W [for DXC-D30WSP]
R668	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R669	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R670	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R671	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R672	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R673	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R674	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R675	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R676	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R677	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R678	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R679	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R680	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R681	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R682	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W [for DXC-D30WS]
R683	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W [for DXC-D30WS]
R684	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W [for DXC-D30WS]
R685	1-218-854-11	s METAL, CHIP 2K 0.50% 1/16W
R686	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W [for DXC-D30WSP]
R687	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R688	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W [for DXC-D30WSP]
R692	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R694	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R696	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R699	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R700	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R701	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R702	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R703	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R704	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R705	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R706	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R707	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R709	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R710	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R711	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R712	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R713	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R714	1-216-837-11	s METAL, CHIP 22K 5% 1/16W



## (ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R715	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R716	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R717	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R718	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R719	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R720	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R721	1-218-882-11	s METAL, CHIP 30K 0.50% 1/16W
R722	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R723	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R724	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R725	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R726	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R727	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R728	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R729	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R730	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R731	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R732	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R733	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R734	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R735	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R736	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R737	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R738	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R739	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R741	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R742	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R743	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R744	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R745	1-218-868-11	s METAL, CHIP 7.5K 0.50% 1/16W
R746	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R747	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R748	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R749	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R750	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R751	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R752	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R753	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R754	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R755	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R756	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R757	1-218-889-11	s METAL, CHIP 56K 0.50% 1/16W
R758	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R759	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R760	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R761	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R762	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R763	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R764	1-218-884-11	s METAL, CHIP 36K 0.50% 1/16W
R765	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R766	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R767	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R768	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R769	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R770	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R771	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R772	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W

## (ES-22(N)/22(P) BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R773	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R774	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R775	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R776	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R777	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R778	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R779	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R780	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R781	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R782	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R783	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R784	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R785	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R786	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R787	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R788	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R789	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R790	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R791	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R792	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R793	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R794	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R795	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R796	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R797	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R798	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R799	1-216-845-11	s METAL, CHIP 100K 5% 1/16W [for DXC-D30WS]
R800	1-216-837-11	s METAL, CHIP 22K 5% 1/16W [for DXC-D30WSP]
R801	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R802	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R803	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R804	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R805	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R806	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R807	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R808	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W [for DXC-D30WS]
R808	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W [for DXC-D30WSP]
R809	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W [for DXC-D30WS]
R809	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W [for DXC-D30WSP]
R810	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R811	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R812	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R813	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W [for DXC-D30WS]
R813	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W [for DXC-D30WSP]
R814	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R815	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R816	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R817	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R819	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R820	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R821	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R822	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R823	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R824	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R826	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R828	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R829	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R830	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R831	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R833	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R836	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R838	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R839	1-216-805-11	s METAL, CHIP 47 5% 1/16W [for DXC-D30WSP]
R840	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W [for DXC-D30WS]
R841	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W [for DXC-D30WS]
R842	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R843	1-216-805-11	s METAL, CHIP 47 5% 1/16W [for DXC-D30WS]
R844	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R845	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WSP]
R846	1-216-864-11	s METAL, CHIP 0 5% 1/16W [for DXC-D30WS]
R847	1-216-805-11	s METAL, CHIP 47 5% 1/16W [for DXC-D30WSP]
R848	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R849	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R851	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R852	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R853	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R854	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R855	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RB501	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB502	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RV501	1-241-260-11	s RES, ADJ, METAL 500
RV502	1-241-261-41	s RES, ADJ, METAL 1K
RV503	1-241-261-41	s RES, ADJ, METAL 1K
RV504	1-241-261-41	s RES, ADJ, METAL 1K
RV505	1-241-260-11	s RES, ADJ, METAL 500

IF-700 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-652-A	o MOUNTED CIRCUIT BOARD, IF-700
1pc	3-729-061-01	s SCREW M2X4.5 (TYPE 1)
2pcs	3-729-061-11	s SCREW M2X4.5 (TYPE 1)
2pcs	7-621-772-08	s SCREW +B 2X3
C501	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C502	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C506	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C507	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C508	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C509	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C510	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C511	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C512	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C513	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C514	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C515	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C516	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C517	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C518	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C519	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C520	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C521	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C522	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C523	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C524	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C525	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C526	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C527	1-162-913-11	s CERAMIC, CHIP 8PF 0.5PF 50V
C528	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C529	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C530	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C531	1-162-913-11	s CERAMIC, CHIP 8PF 0.5PF 50V
C532	1-162-913-11	s CERAMIC, CHIP 8PF 0.5PF 50V
C533	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C534	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C535	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C536	1-162-913-11	s CERAMIC, CHIP 8PF 0.5PF 50V
C537	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C538	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C539	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C540	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C541	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C542	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C544	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C545	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C546	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C547	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C548	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C549	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C550	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C551	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C552	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C553	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C554	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C556	1-104-608-11	s ELECT, CHIP 33uF 20% 6.3V
C557	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C558	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

## (IF-700 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C559	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C560	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C561	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C562	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C565	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C566	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C568	1-126-412-11 s	ELECT, CHIP 220uF 20% 4V
C569	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C570	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C571	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C572	1-162-923-11 s	CERAMIC, CHIP 47PF 5% 50V
C573	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C574	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C575	1-162-915-11 s	CERAMIC, CHIP 10PF 0.5PF 50V
C576	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C577	1-162-911-11 s	CERAMIC, CHIP 6PF 50V
C578	1-162-925-11 s	CERAMIC, CHIP 68PF 5% 50V
C579	1-162-917-11 s	CERAMIC, CHIP 15PF 5% 50V
C580	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C581	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C582	1-162-968-11 s	CERAMIC, CHIP 0.0047uF 10% 50V
C583	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C584	1-162-966-11 s	CERAMIC, CHIP 0.0022uF 10% 50V
C588	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C589	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C590	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C591	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C592	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C593	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C594	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C595	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C596	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C597	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C598	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C599	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C600	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C601	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C602	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C603	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C604	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C605	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C608	1-162-913-11 s	CERAMIC, CHIP 8PF 0.5PF 50V
C611	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C612	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C613	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C614	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C615	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C616	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C617	1-107-685-11 s	TANTALUM, CHIP 15uF 20% 6.3V
C618	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C619	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C620	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C621	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C622	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C626	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C627	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C629	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C630	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C631	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP Description
C632	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C633	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C634	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C635	1-162-927-11 s	CERAMIC, CHIP 100PF 5% 50V
C636	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C637	1-111-253-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C638	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C639	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C640	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C641	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C642	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C643	1-111-253-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C644	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C645	1-110-569-11 s	TANTALUM, CHIP 47uF 20% 6.3V
C646	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C648	1-111-253-11 s	TANTALUM, CHIP 100uF 20% 6.3V
C651	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C652	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C653	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C654	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C655	1-104-851-11 s	TANTALUM, CHIP 10uF 20% 10V
C656	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C657	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C658	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C659	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C663	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C664	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C665	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C666	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C668	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C669	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C670	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C672	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C673	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C675	1-162-908-11 s	CERAMIC, CHIP 3PF 0.25PF 50V
C676	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C677	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C678	1-162-915-11 s	CERAMIC, CHIP 10PF 0.5PF 50V
C680	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C682	1-162-920-11 s	CERAMIC, CHIP 27PF 5% 50V
C683	1-162-915-11 s	CERAMIC, CHIP 10PF 0.5PF 50V
C685	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C687	1-162-920-11 s	CERAMIC, CHIP 27PF 5% 50V
C688	1-162-915-11 s	CERAMIC, CHIP 10PF 0.5PF 50V
C690	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C692	1-162-920-11 s	CERAMIC, CHIP 27PF 5% 50V
C695	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C696	1-113-682-11 s	TANTALUM, CHIP 33uF 20% 10V
C697	1-162-964-11 s	CERAMIC, CHIP 0.001uF 10% 50V
C698	1-164-156-11 s	CERAMIC, CHIP 0.1uF 25V
C699	1-162-908-11 s	CERAMIC, CHIP 3PF 0.25PF 50V
C700	1-162-910-11 s	CERAMIC, CHIP 5PF 0.25PF 50V
C701	1-162-910-11 s	CERAMIC, CHIP 5PF 0.25PF 50V
C702	1-162-910-11 s	CERAMIC, CHIP 5PF 0.25PF 50V
CP501	1-760-275-11 s	OSCILLATOR, CRYSTAL (VCO TYPE)
D501	8-719-029-63 s	DIODE RD4.3UH-T1
D502	8-719-029-63 s	DIODE RD4.3UH-T1
D503	8-719-029-63 s	DIODE RD4.3UH-T1

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Ref. No. or Q'ty	Part No.	SP Description
D506	8-719-421-69	s DIODE MA133
D507	8-719-421-67	s DIODE MA132WK
D508	8-719-421-69	s DIODE MA133
D509	8-719-421-69	s DIODE MA133
D510	8-719-421-69	s DIODE MA133
FB501	1-414-445-11	s INDUCTOR CHIP 0uH
FB502	1-414-445-11	s INDUCTOR CHIP 0uH
FB503	1-414-445-11	s INDUCTOR CHIP 0uH
FB504	1-414-445-11	s INDUCTOR CHIP 0uH
FL504	1-233-740-11	s FILTER, LOW-PASS
FL505	1-233-742-11	s FILTER, LOW-PASS
FL506	1-233-740-11	s FILTER, LOW-PASS
FL507	1-233-742-11	s FILTER, LOW-PASS
FL508	1-233-740-11	s FILTER, LOW-PASS
FL509	1-233-742-11	s FILTER, LOW-PASS
IC501	8-759-185-42	s IC LM4040AIM3-2.5
IC502	8-759-076-06	s IC TL064CPW
IC503	8-759-086-41	s IC X24C02S-3.0
IC504	8-759-635-27	s IC M62352GP
IC505	8-759-173-16	s IC TL062CPW
IC506	8-759-523-02	s IC TC74HC4053AFT(EL)
IC507	8-759-066-61	s IC TC4053BFS
IC508	8-759-262-06	s IC TC4052BFS(ELQ)
IC509	8-759-066-61	s IC TC4053BFS
IC510	8-759-031-84	s IC SC7S04F
IC511	8-759-031-84	s IC SC7S04F
IC512	8-759-234-20	s IC TC7S08F
IC513	8-759-066-61	s IC TC4053BFS
IC514	8-759-523-04	s IC TC74HC4538AFT(EL)
IC516	8-752-363-60	s IC CXD2307R-T4
IC517	8-759-523-80	s IC TC74VHC04FT(EL)
IC519	8-759-523-80	s IC TC74VHC04FT(EL)
IC520	8-752-381-65	o IC CXD606-101R
IC521	8-759-050-53	s IC SN74HCT08APW-E20
IC522	8-759-184-64	s IC TC4W66FU
IC523	8-759-173-16	s IC TL062CPW
IC524	8-759-031-84	s IC SC7S04F
IC527	8-759-066-61	s IC TC4053BFS
IC529	8-759-523-80	s IC TC74VHC04FT(EL)
IC530	8-759-196-96	s IC TC7SH08FU-TE85R
IC531	8-759-523-95	s IC TC74VHC74FT(EL)
IC532	8-759-079-46	s IC TC74VHC00FS(EL)
IC533	8-759-497-85	s IC QL12X16B-XPFL100C-D30WS
IC534	8-759-031-84	s IC SC7S04F
IC535	8-759-523-02	s IC TC74HC4053AFT(EL)
IC538	8-759-234-20	s IC TC7S08F
IC539	8-759-485-79	s IC TC7SET08FU(TE85L)
JR506	1-216-864-11	s METAL, CHIP 0 5% 1/16W
L501	1-412-962-11	s INDUCTOR 82uH
L502	1-410-656-11	s INDUCTOR CHIP 150uH
L503	1-412-955-11	s INDUCTOR 22uH
L504	1-412-955-11	s INDUCTOR 22uH
L505	1-424-643-11	s COIL, CHOKe 10uH
L506	1-412-955-11	s INDUCTOR 22uH
L507	1-412-955-11	s INDUCTOR 22uH
L508	1-412-955-11	s INDUCTOR 22uH
L509	1-412-955-11	s INDUCTOR 22uH

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Ref. No. or Q'ty	Part No.	SP Description
L510	1-412-941-11	s INDUCTOR 1.5uH
L511	1-412-955-11	s INDUCTOR 22uH
Q501	8-729-101-07	s TRANSISTOR 2SB798
Q502	8-729-101-07	s TRANSISTOR 2SB798
Q503	8-729-807-51	s TRANSISTOR 2SD1623-S
Q505	8-729-402-84	s TRANSISTOR XN4601
Q506	8-729-807-51	s TRANSISTOR 2SD1623-S
Q507	8-729-101-07	s TRANSISTOR 2SB798
Q508	8-729-402-19	s TRANSISTOR XN6501
Q509	8-729-122-63	s TRANSISTOR 2SA1226
Q510	8-729-402-84	s TRANSISTOR XN4601
Q511	8-729-402-19	s TRANSISTOR XN6501
Q512	8-729-122-63	s TRANSISTOR 2SA1226
Q513	8-729-402-84	s TRANSISTOR XN4601
Q514	8-729-402-19	s TRANSISTOR XN6501
Q515	8-729-122-63	s TRANSISTOR 2SA1226
Q516	8-729-402-84	s TRANSISTOR XN4601
Q518	8-729-905-35	s TRANSISTOR 2SC4081R
Q519	8-729-402-84	s TRANSISTOR XN4601
Q520	8-729-402-78	s TRANSISTOR XN6401
Q521	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q522	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q523	8-729-905-35	s TRANSISTOR 2SC4081R
Q524	8-729-905-35	s TRANSISTOR 2SC4081R
Q525	8-729-905-35	s TRANSISTOR 2SC4081R
Q527	8-729-905-35	s TRANSISTOR 2SC4081R
Q528	8-729-402-84	s TRANSISTOR XN4601
Q529	8-729-402-78	s TRANSISTOR XN6401
Q530	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q531	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q532	8-729-402-19	s TRANSISTOR XN6501
Q534	8-729-905-35	s TRANSISTOR 2SC4081R
Q535	8-729-402-78	s TRANSISTOR XN6401
Q536	8-729-403-32	s TRANSISTOR XN6534
Q537	8-729-402-78	s TRANSISTOR XN6401
Q538	8-729-402-84	s TRANSISTOR XN4601
Q539	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q540	8-729-402-84	s TRANSISTOR XN4601
Q541	8-729-905-35	s TRANSISTOR 2SC4081R
Q542	8-729-402-84	s TRANSISTOR XN4601
Q543	8-729-402-84	s TRANSISTOR XN4601
Q545	8-729-402-19	s TRANSISTOR XN6501
Q546	8-729-402-78	s TRANSISTOR XN6401
Q547	8-729-905-35	s TRANSISTOR 2SC4081R
Q549	8-729-403-32	s TRANSISTOR XN6534
Q551	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q552	8-729-403-32	s TRANSISTOR XN6534
Q554	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q555	8-729-403-32	s TRANSISTOR XN6534
Q557	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q558	8-729-402-78	s TRANSISTOR XN6401
Q559	8-729-402-19	s TRANSISTOR XN6501
Q560	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q561	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q562	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q563	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q564	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q565	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR

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Ref. No. or Q'ty	Part No.	SP Description
Q566	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q567	8-729-402-19	s TRANSISTOR XN6501
Q568	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q569	8-729-402-19	s TRANSISTOR XN6501
Q570	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q571	8-729-402-19	s TRANSISTOR XN6501
Q572	8-729-143-13	s TRANSISTOR 2SC4176-B34
R501	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R502	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R503	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R504	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R505	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R506	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R507	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R508	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R509	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R510	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R511	1-218-884-11	s METAL, CHIP 36K 0.50% 1/16W
R514	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R515	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R516	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R517	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R518	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R519	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R520	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R521	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R522	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R523	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R524	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R525	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R526	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R527	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R528	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R529	1-218-886-11	s METAL, CHIP 43K 0.50% 1/16W
R530	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R531	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R532	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R533	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W
R534	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R535	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W
R536	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R537	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W
R538	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R539	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R540	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R541	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R542	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R543	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R544	1-218-827-11	s METAL, CHIP 150 0.50% 1/16W
R545	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R546	1-211-991-11	s METAL, CHIP 82 0.50% 1/16W
R547	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R548	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R549	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R550	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R551	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R552	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R553	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R554	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R555	1-218-850-11	s METAL, CHIP 1.3K 0.50% 1/16W
R556	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R557	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R558	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R559	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R560	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R561	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R562	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R563	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R564	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R565	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R566	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R567	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R568	1-218-827-11	s METAL, CHIP 150 0.50% 1/16W
R569	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R570	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R571	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R572	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R573	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R574	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R575	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R576	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R577	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R578	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R579	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R580	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R584	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R585	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R586	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R587	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R588	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R589	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R590	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R591	1-218-846-11	s METAL, CHIP 910 0.50% 1/
R592	1-211-973-11	s METAL, CHIP 15 0.50% 1/16W
R593	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R594	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R595	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R596	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R597	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R598	1-218-828-11	s METAL, CHIP 160 0.50% 1/16W
R599	1-211-973-11	s METAL, CHIP 15 0.50% 1/16W
R600	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R601	1-218-840-11	s METAL, CHIP 510 0.50% 1/16W
R602	1-211-973-11	s METAL, CHIP 15 0.50% 1/16W
R603	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R604	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R605	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R606	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R607	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R608	1-211-989-11	s METAL, CHIP 68 0.50% 1/16W
R609	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R610	1-211-989-11	s METAL, CHIP 68 0.50% 1/16W
R611	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R612	1-211-989-11	s METAL, CHIP 68 0.50% 1/16W
R616	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R617	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R618	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

## (IF-700 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R619	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R620	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R621	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R622	1-211-990-11	s METAL, CHIP 75 0.50% 1/16W
R623	1-218-846-11	s METAL, CHIP 910 0.50% 1/
R624	1-211-973-11	s METAL, CHIP 15 0.50% 1/16W
R625	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R626	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R627	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R628	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R629	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R630	1-218-828-11	s METAL, CHIP 160 0.50% 1/16W
R631	1-211-973-11	s METAL, CHIP 15 0.50% 1/16W
R632	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R633	1-218-840-11	s METAL, CHIP 510 0.50% 1/16W
R634	1-211-973-11	s METAL, CHIP 15 0.50% 1/16W
R635	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R636	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R637	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R638	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R639	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R640	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R641	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R645	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R646	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R647	1-216-856-11	s METAL, CHIP 820K 5% 1/16W
R648	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R649	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R650	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R651	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R652	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R653	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R654	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R655	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R656	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R657	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R658	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R659	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R660	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R661	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R662	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R663	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R664	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R665	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R666	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R667	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R668	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R669	1-211-987-11	s METAL, CHIP 56 0.50% 1/16W
R670	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R671	1-218-846-11	s METAL, CHIP 910 0.50% 1/
R672	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R673	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R674	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R675	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R676	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R677	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R678	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R679	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R680	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

## (IF-700 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R681	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R682	1-218-833-11	s METAL, CHIP 270 0.50% 1/16W
R683	1-211-974-11	s METAL, CHIP 16 0.50% 1/16W
R684	1-218-834-11	s METAL, CHIP 300 0.50% 1/16W
R685	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R686	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R687	1-211-976-11	s METAL, CHIP 20 0.50% 1/16W
R688	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R689	1-211-981-11	s METAL, CHIP 33 0.50% 1/16W
R691	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R692	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R693	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R694	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R695	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R696	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R697	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R698	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R699	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R700	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R701	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R702	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R709	1-218-827-11	s METAL, CHIP 150 0.50% 1/16W
R710	1-218-827-11	s METAL, CHIP 150 0.50% 1/16W
R711	1-218-827-11	s METAL, CHIP 150 0.50% 1/16W
R712	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R713	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R714	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R715	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R716	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R717	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R720	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R721	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R723	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R724	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R725	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R726	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R727	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R728	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R729	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R730	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R731	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R732	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R733	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R734	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R738	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R739	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R740	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R741	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R745	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R746	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R747	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R748	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R749	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R750	1-218-844-11	s METAL, CHIP 750 0.50% 1/16W
R751	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R754	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R755	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R756	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R757	1-216-809-11	s METAL, CHIP 100 5% 1/16W



## (IF-700 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R762	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R763	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R764	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R766	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R767	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R769	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R770	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R772	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R774	1-218-850-11	s METAL, CHIP 1.3K 0.50% 1/16W
R776	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R777	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R778	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R779	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R780	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R782	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R783	1-218-874-11	s METAL, CHIP 13K 0.50% 1/16W
R784	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R785	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R786	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R789	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R790	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R792	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R796	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R797	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R798	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R799	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R800	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R802	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R803	1-218-874-11	s METAL, CHIP 13K 0.50% 1/16W
R804	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R805	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R806	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R809	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R810	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R812	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R816	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R817	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R818	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R819	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R821	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R822	1-218-874-11	s METAL, CHIP 13K 0.50% 1/16W
R823	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R824	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R825	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R828	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R829	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R831	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R835	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R836	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R837	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R841	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R842	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R843	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R845	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R846	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R848	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R849	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R851	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R852	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

## (IF-700 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R854	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R855	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R857	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R858	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R860	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R861	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R863	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R864	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R866	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R867	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R868	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R869	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R874	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R875	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R876	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R877	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R878	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R879	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R880	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R881	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R882	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R883	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R884	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R885	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R886	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R887	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R889	1-218-866-11	s METAL, CHIP 6.2K 0.50% 1/16W
R890	1-218-830-11	s METAL, CHIP 200 0.50% 1/16W
R891	1-218-830-11	s METAL, CHIP 200 0.50% 1/16W
R894	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R897	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RB501	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB502	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB503	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB504	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB505	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB506	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB508	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB509	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB510	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB511	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB512	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB513	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB514	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB515	1-236-908-11	s RESISTOR BLOCK, CHIP 10KX4
RB516	1-236-908-11	s RESISTOR BLOCK, CHIP 10KX4
RB517	1-236-908-11	s RESISTOR BLOCK, CHIP 10KX4

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MB-785 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-669-A	o MOUNTED CIRCUIT BOARD, MB-785
3pcs	4-352-844-01	s PIN, LEAD, COATING
C2	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C3	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C5	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C6	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C9	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C18	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C19	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C26	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C27	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C30	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C31	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C35	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C36	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C37	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C38	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C40	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C41	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C42	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C44	1-135-210-11	s TANTALUM, CHIP 4.7uF 10% 10V
C45	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C46	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C47	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C49	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C51	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C52	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C53	1-126-397-11	s ELECT, CHIP 33uF 20% 25V
C54	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C59	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C60	1-107-826-11	s CERAMIC, CHIP 0.1uF 10% 16V
C62	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C63	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C64	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C65	1-107-682-11	s CERAMIC 1uF 10% 16V
C66	1-107-682-11	s CERAMIC 1uF 10% 16V
C67	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C68	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C69	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C71	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C72	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C103	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C104	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C105	1-126-393-11	s ELECT, CHIP 33uF 20% 10V
C106	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C107	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C108	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C109	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C110	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C111	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C201	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C202	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C203	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C204	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C205	1-104-551-11	s FILM, CHIP 0.01uF 5% 16V
C206	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C207	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C209	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C210	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C211	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C212	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C213	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C214	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C215	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C216	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C217	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C218	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C219	1-115-154-11	s ELECT 10uF 20% 16V
C220	1-115-154-11	s ELECT 10uF 20% 16V
C221	1-115-154-11	s ELECT 10uF 20% 16V
C222	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C223	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
CN1	1-770-454-21	o CONNECTOR, 70P
CN2	1-573-806-21	s PIN, CONNECTOR (1.5MM) 6P
CN103	1-569-035-11	o CONNECTOR, FPC (ZIF) 30P
CN105	1-695-320-51	o CONNECTOR (1.5MM) 2P MALE
CN106	1-695-320-31	o CONNECTOR (1.5MM) 2P MALE
CN107	1-695-320-71	o PIN, CONNECTOR (1.5MM)) 2P
CN108	1-770-454-21	o CONNECTOR, 70P
CN112	1-569-531-11	s HOUSING, 20P
CN113	1-569-531-11	s HOUSING, 20P
CN114	1-569-531-11	s HOUSING, 20P
CN116	1-778-656-11	o CONNECTOR, BOARD TO BOARD 24P
CN117	1-778-655-11	o PIN, CONNECTOR 2P
CN118	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN119	1-573-806-21	s PIN, CONNECTOR (1.5MM) 6P
CN120	1-695-320-21	o CONNECTOR (1.5MM) 2P MALE
CN121	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN122	1-691-551-11	s PIN, CONNECTOR 8P
CN123	1-695-320-21	o CONNECTOR (1.5MM) 2P MALE
CV1	1-141-368-11	s CAP, CHIP TRIMMER
CV3	1-141-368-11	s CAP, CHIP TRIMMER
D1	8-719-800-76	s DIODE 1SS226
D2	8-719-027-95	s DIODE HSM88WK
D3	8-719-800-76	s DIODE 1SS226
D5	8-719-974-76	s DIODE HSM107S
D6	8-719-421-69	s DIODE MA133
D7	8-719-421-69	s DIODE MA133
D8	8-719-421-69	s DIODE MA133
D9	8-719-421-69	s DIODE MA133
D10	8-719-421-69	s DIODE MA133
FB102	1-414-445-11	s INDUCTOR CHIP 0uH
FB103	1-414-445-11	s INDUCTOR CHIP 0uH
FB104	1-414-445-11	s INDUCTOR CHIP 0uH
FB105	1-414-445-11	s INDUCTOR CHIP 0uH
FB106	1-414-445-11	s INDUCTOR CHIP 0uH
FB107	1-414-445-11	s INDUCTOR CHIP 0uH
FB109	1-414-445-11	s INDUCTOR CHIP 0uH
FB110	1-414-445-11	s INDUCTOR CHIP 0uH
FB114	1-414-445-11	s INDUCTOR CHIP 0uH
FB115	1-414-445-11	s INDUCTOR CHIP 0uH
FB116	1-414-445-11	s INDUCTOR CHIP 0uH
FB117	1-414-445-11	s INDUCTOR CHIP 0uH
FB118	1-414-445-11	s INDUCTOR CHIP 0uH
FB119	1-414-445-11	s INDUCTOR CHIP 0uH
FB120	1-414-772-11	s INDUCTOR CHIP 0uH



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Ref. No. or Q'ty	Part No.	SP Description
FB121	1-414-445-11	s INDUCTOR CHIP 0uH
FB122	1-414-445-11	s INDUCTOR CHIP 0uH
FB123	1-414-445-11	s INDUCTOR CHIP 0uH
FB124	1-414-445-11	s INDUCTOR CHIP 0uH
IC1	8-759-234-20	s IC TC7S08F
IC2	8-759-234-20	s IC TC7S08F
IC3	8-759-050-94	s IC SN74HC165APW-E05
IC6	8-759-049-76	s IC SN74HC244APW-E05
IC9	8-759-497-33	s IC X24645S8C7000
IC10	8-759-268-32	s IC SN74HC595ADB-E05
IC11	8-752-381-56	s IC CXD1095AR
IC12	8-759-065-20	s IC RTC-4553B
IC13	8-759-430-61	s IC UPD6453GT-658
IC15	8-759-338-95	s IC NJM2903V(Te2)
IC16	8-759-076-06	s IC TL064CPW
IC17	8-759-278-11	s IC TC4051BFS(EL)
IC18	8-759-173-16	s IC TL062CPW
IC21	8-759-082-57	s IC TC7W04FU
IC24	8-759-635-27	s IC M62352GP
IC25	8-752-375-75	s IC CXD2131Q-T4
IC26	8-759-058-64	s IC TC7S32FU(Te85R)
IC27	8-759-082-61	s IC TC4W53FU
IC29	8-759-430-61	s IC UPD6453GT-658
IC30	8-759-058-62	s IC TC7S08FU(Te85R)
IC102	8-759-173-16	s IC TL062CPW
IC201	8-759-031-84	s IC SC7S04F
IC202	8-759-173-16	s IC TL062CPW
IC203	8-759-700-09	s IC NJM2043M-D
IC204	8-759-262-06	s IC TC4052BFS(ELQ)
IC205	8-759-700-09	s IC NJM2043M-D
L1	1-412-955-11	s INDUCTOR 22uH
L2	1-412-955-11	s INDUCTOR 22uH
L3	1-412-963-11	s INDUCTOR 100uH
L4	1-412-955-11	s INDUCTOR 22uH
L7	1-412-955-11	s INDUCTOR 22uH
L8	1-412-955-11	s INDUCTOR 22uH
L9	1-412-955-11	s INDUCTOR 22uH
L10	1-412-955-11	s INDUCTOR 22uH
L11	1-412-955-11	s INDUCTOR 22uH
L12	1-412-955-11	s INDUCTOR 22uH
L13	1-412-955-11	s INDUCTOR 22uH
L14	1-412-282-41	s INDUCTOR 470uH
L15	1-412-282-41	s INDUCTOR 470uH
L16	1-412-955-11	s INDUCTOR 22uH
L17	1-412-955-11	s INDUCTOR 22uH
L18	1-412-957-11	s INDUCTOR 33uH
L101	1-412-026-11	s INDUCTOR CHIP 1uH
L102	1-412-026-11	s INDUCTOR CHIP 1uH
L103	1-412-026-11	s INDUCTOR CHIP 1uH
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-402-19	s TRANSISTOR XN6501
Q5	8-729-402-19	s TRANSISTOR XN6501
Q6	8-729-402-19	s TRANSISTOR XN6501
Q7	8-729-402-19	s TRANSISTOR XN6501
Q8	8-729-905-35	s TRANSISTOR 2SC4081R
Q9	8-729-905-35	s TRANSISTOR 2SC4081R

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Ref. No. or Q'ty	Part No.	SP Description
Q10	8-729-905-35	s TRANSISTOR 2SC4081R
Q11	8-729-402-84	s TRANSISTOR XN4601
Q12	8-729-142-90	s TRANSISTOR 2SK853-K5
Q13	8-729-141-75	s TRANSISTOR 2SD596DV345
Q14	8-729-141-48	s TRANSISTOR 2SB624-BV345
Q15	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q16	8-729-905-35	s TRANSISTOR 2SC4081R
Q17	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q18	8-729-905-35	s TRANSISTOR 2SC4081R
Q19	8-729-905-35	s TRANSISTOR 2SC4081R
Q101	8-729-101-07	s TRANSISTOR 2SB798
Q102	8-729-101-07	s TRANSISTOR 2SB798
Q103	8-729-905-35	s TRANSISTOR 2SC4081R
Q201	8-729-905-35	s TRANSISTOR 2SC4081R
Q202	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
R1	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R2	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R3	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R4	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R5	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R6	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R7	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R8	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R9	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R10	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R11	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R20	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R23	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R24	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R25	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R29	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R30	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R31	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R32	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R33	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R34	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R35	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R40	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R41	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R42	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R44	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R45	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R46	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R47	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R49	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R50	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R51	1-218-889-11	s METAL, CHIP 56K 0.50% 1/16W
R52	1-218-889-11	s METAL, CHIP 56K 0.50% 1/16W
R53	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R54	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R55	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R56	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R57	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R58	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R59	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R60	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R61	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R62	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R63	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R64	1-218-893-11	s METAL, CHIP 82K 0.50% 1/16W
R65	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R66	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R67	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R68	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R69	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R70	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R71	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R72	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R73	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R74	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R75	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R76	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R77	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R78	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R79	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R80	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R81	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R82	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R83	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R84	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R85	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R87	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R88	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R89	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R90	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R91	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R92	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R93	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R94	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R99	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R106	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R107	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R108	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R109	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R110	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R111	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R112	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R113	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R114	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R116	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R118	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R119	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R120	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R122	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R123	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R124	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R125	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R126	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R201	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R202	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R203	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R204	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R205	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R206	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R207	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R208	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R209	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R210	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R213	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R214	1-211-977-11	s METAL, CHIP 22 0.50% 1/16W
R217	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R218	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R219	1-218-861-11	s METAL, CHIP 3.9K 0.50% 1/16W
R220	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R221	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R222	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R223	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R224	1-218-888-11	s METAL, CHIP 51K 0.50% 1/16W
R225	1-218-888-11	s METAL, CHIP 51K 0.50% 1/16W
R226	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R227	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R229	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R230	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R231	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R232	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R233	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R234	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R236	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R301	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R302	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R303	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R304	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R305	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R306	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R307	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R308	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R309	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R310	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R311	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R312	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R313	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R314	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R315	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R316	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R317	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R318	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R319	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R320	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R321	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R322	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R323	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R324	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R325	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R326	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R327	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R328	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R329	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R330	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R331	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R332	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R334	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RB2	1-239-309-11	s RESISTOR BLOCK, CHIP 100KX8
RB4	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB5	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB6	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB7	1-239-430-11	s RESISTOR BLOCK, CHIP 4.7KX4

(MB-785 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RB9	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB10	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB11	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RV201	1-238-855-11	s RES, ADJ, METAL 4.7K

PA-219 BOARD

Ref. No. or Q'ty	Part No.	SP Description
3pcs	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-569-520-11	o HOUSING, 10P
1pc	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o CONTACT, FEMALE
1pc	1-569-680-11	o HOUSING, 2P
1pc	1-956-514-11	o HARNESS, SUB (PA187-1)
1pc	1-956-515-11	o HARNESS, SUB (PA187-2)
C1	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C3	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C8	1-113-981-11	s TANTALUM, CHIP 22uF 20% 20V
C10	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C12	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C14	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C17	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C18	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C19	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C21	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C23	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C27	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C28	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C29	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C30	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C31	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C32	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C33	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C34	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C35	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C37	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C38	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C41	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C45	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C46	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C47	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C48	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C49	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C50	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C51	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C55	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C56	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C57	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C58	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN1	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN2	1-766-382-11	o CONNECTOR (1.5MM) 10P MALE
CN3	1-695-320-21	o CONNECTOR (1.5MM) 2P MALE
D1	8-719-059-50	s DIODE MA3J142D0LSO
D2	8-719-059-50	s DIODE MA3J142D0LSO
D4	8-719-017-42	s DIODE HSM88WA

## (PA-219 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D5	8-719-986-76	s DIODE SB007W03C
FB1	1-543-775-11	s FILTER, EMI
IC2	8-759-196-96	s IC TC7SH08FU-TE85R
IC4	8-759-985-17	s IC 74AC04SJ
IC6	8-759-196-96	s IC TC7SH08FU-TE85R
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-101-25	s TRANSISTOR 2SC1009A
Q5	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q9	8-729-043-56	s TRANSISTOR SST211-TE2
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-043-56	s TRANSISTOR SST211-TE2
Q14	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-043-56	s TRANSISTOR SST211-TE2
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s TRANSISTOR 2SC4177
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s TRANSISTOR 2SC4177
Q36	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q37	8-729-043-56	s TRANSISTOR SST211-TE2
Q38	8-729-117-32	s TRANSISTOR 2SC4177
Q39	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q40	8-729-043-56	s TRANSISTOR SST211-TE2
R1	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R3	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R4	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R5	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R6	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R7	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R8	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R9	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R10	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R11	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R12	1-218-844-11	s METAL, CHIP 750 0.50% 1/16W
R13	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R14	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R20	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R28	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R29	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R30	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R31	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R32	1-218-864-11	s METAL, CHIP 5.1K 0.50% 1/16W
R33	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R34	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R35	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R36	1-216-864-11	s METAL, CHIP 0 5% 1/16W

## (PA-219 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R37	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W
R38	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R39	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R40	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R41	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R42	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W
R43	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R44	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R47	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R49	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R50	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R59	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R60	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R62	1-218-845-11	s METAL, CHIP 820 0.50%
R64	1-218-860-11	s METAL, CHIP 3.6K 0.50% 1/16W
R65	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R66	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R67	1-218-845-11	s METAL, CHIP 820 0.50%
R69	1-218-860-11	s METAL, CHIP 3.6K 0.50% 1/16W
R70	1-218-704-11	s METAL, CHIP 3.3K 0.50% 1/16W
R71	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R72	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R73	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R74	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R75	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R76	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R77	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R78	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R79	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R80	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R81	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R82	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R83	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R84	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R85	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R86	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R87	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R92	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R93	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R94	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R97	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R99	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R103	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R104	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R105	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R106	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R107	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R108	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R109	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R110	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R112	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R113	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RV1	1-241-263-11	s RES, ADJ, METAL 5K

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PA-220 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
2pcs	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o CONTACT, FEMALE
1pc	1-569-680-11	o HOUSING, 2P
1pc	1-956-515-11	o HARNESS, SUB (PA187-2)
C1	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C3	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C8	1-113-981-11	s TANTALUM, CHIP 22uF 20% 20V
C10	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C12	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C14	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C17	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C18	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C19	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C21	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C23	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C27	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C28	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C29	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C30	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C31	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C32	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C33	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C34	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C35	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C37	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C38	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C41	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C45	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C46	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C47	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C48	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C49	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C50	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C51	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C52	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C55	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C56	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C57	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C58	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN1	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN2	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN3	1-695-320-21	o CONNECTOR (1.5MM) 2P MALE
D1	8-719-059-50	s DIODE MA3J142D0LSO
D2	8-719-059-50	s DIODE MA3J142D0LSO
D4	8-719-017-42	s DIODE HSM88WA
D5	8-719-986-76	s DIODE SB007W03C

(PA-220 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
FB1	1-543-775-11	s FILTER, EMI
IC2	8-759-196-96	s IC TC7SH08FU-TE85R
IC3	8-759-075-53	s IC LM35DM
IC4	8-759-985-17	s IC 74AC04SJ
IC6	8-759-196-96	s IC TC7SH08FU-TE85R
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-101-25	s TRANSISTOR 2SC1009A
Q5	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q9	8-729-043-56	s TRANSISTOR SST211-TE2
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-043-56	s TRANSISTOR SST211-TE2
Q14	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-043-56	s TRANSISTOR SST211-TE2
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s TRANSISTOR 2SC4177
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s TRANSISTOR 2SC4177
Q36	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q37	8-729-043-56	s TRANSISTOR SST211-TE2
Q38	8-729-117-32	s TRANSISTOR 2SC4177
Q39	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q40	8-729-043-56	s TRANSISTOR SST211-TE2
R1	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R3	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R4	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R5	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R6	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R7	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R8	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R9	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R10	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R11	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R12	1-218-844-11	s METAL, CHIP 750 0.50% 1/16W
R13	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R14	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R20	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R28	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R29	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R30	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R31	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R32	1-218-864-11	s METAL, CHIP 5.1K 0.50% 1/16W
R33	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R34	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R35	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R36	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R37	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W

## (PA-220 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R38	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R39	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R40	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R41	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R42	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W
R43	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R44	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R47	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R49	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R50	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R59	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R60	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R62	1-218-850-11	s METAL, CHIP 1.3K 0.50% 1/16W
R64	1-218-845-11	s METAL, CHIP 820 0.50%
R65	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R66	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R67	1-218-850-11	s METAL, CHIP 1.3K 0.50% 1/16W
R69	1-218-845-11	s METAL, CHIP 820 0.50%
R70	1-218-704-11	s METAL, CHIP 3.3K 0.50% 1/16W
R71	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R74	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R75	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R76	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R77	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R78	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R79	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R80	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R81	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R82	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R83	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R84	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R85	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R86	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R87	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R92	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R93	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R94	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R96	1-218-835-11	s METAL, CHIP 330 0.50% 1/16W
R97	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R99	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R103	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R104	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R105	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R106	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R107	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R108	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R109	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R110	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R112	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R113	1-216-864-11	s METAL, CHIP 0 5% 1/16W

## PA-221 BOARD

Ref. No. or Q'ty	Part No.	SP Description
2pcs	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-569-621-11	o HOUSING, CONNECTOR 12P
1pc	1-569-679-11	o CONTACT, FEMALE
1pc	1-569-680-11	o HOUSING, 2P
1pc	1-956-515-11	o HARNESS, SUB (PA187-2)
C1	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C2	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C3	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C6	1-135-213-21	s TANTALUM, CHIP 3.3uF 20% 25V
C7	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C8	1-113-981-11	s TANTALUM, CHIP 22uF 20% 20V
C10	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C12	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C14	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C17	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C18	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C19	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C20	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C21	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C23	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C27	1-135-259-11	s TANTALUM, CHIP 10uF 20% 6.3V
C28	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C29	1-162-908-11	s CERAMIC, CHIP 3PF 0.25PF 50V
C30	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C31	1-162-908-11	s CERAMIC, CHIP 3PF 0.25PF 50V
C32	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C33	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C34	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C35	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C36	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C37	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C38	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C41	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C45	1-135-177-21	s TANTALUM, CHIP 1uF 10% 25V
C46	1-107-690-11	s TANTALUM, CHIP 6.8uF 20% 35V
C47	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C48	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C50	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C51	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C52	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C55	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C56	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C57	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C58	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C59	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
CN1	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN2	1-766-383-11	o CONNECTOR (1.5MM) 12P MALE
CN3	1-695-320-21	o CONNECTOR (1.5MM) 2P MALE
D1	8-719-059-50	s DIODE MA3J142D0LSO
D2	8-719-059-50	s DIODE MA3J142D0LSO
D4	8-719-017-42	s DIODE HSM88WA
D5	8-719-986-76	s DIODE SB007W03C
FB1	1-543-775-11	s FILTER, EMI

## (PA-221 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC2	8-759-196-96	s IC TC7SH08FU-TE85R
IC4	8-759-985-17	s IC 74AC04SJ
IC6	8-759-196-96	s IC TC7SH08FU-TE85R
Q1	8-729-402-19	s TRANSISTOR XN6501
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-101-25	s TRANSISTOR 2SC1009A
Q5	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q7	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q8	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q9	8-729-043-56	s TRANSISTOR SST211-TE2
Q10	8-729-117-32	s TRANSISTOR 2SC4177
Q11	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-043-56	s TRANSISTOR SST211-TE2
Q14	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q15	8-729-117-32	s TRANSISTOR 2SC4177
Q16	8-729-043-56	s TRANSISTOR SST211-TE2
Q18	8-729-117-32	s TRANSISTOR 2SC4177
Q24	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q25	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q26	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q27	8-729-143-13	s TRANSISTOR 2SC4176-B34
Q28	8-729-117-32	s TRANSISTOR 2SC4177
Q29	8-729-117-32	s TRANSISTOR 2SC4177
Q32	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q33	8-729-143-07	s TRANSISTOR 2SA1610-Y33
Q35	8-729-117-32	s TRANSISTOR 2SC4177
Q36	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q37	8-729-043-56	s TRANSISTOR SST211-TE2
Q38	8-729-117-32	s TRANSISTOR 2SC4177
Q39	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q40	8-729-043-56	s TRANSISTOR SST211-TE2
R1	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R3	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R4	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R5	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R6	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R7	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R8	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R9	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R10	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R11	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R12	1-218-844-11	s METAL, CHIP 750 0.50% 1/16W
R13	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R14	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R20	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R28	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R29	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R30	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R31	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R32	1-218-864-11	s METAL, CHIP 5.1K 0.50% 1/16W
R33	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R34	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R35	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R36	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R37	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W
R38	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W

## (PA-221 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R39	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R40	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R41	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R42	1-218-858-11	s METAL, CHIP 3K 0.50% 1/16W
R43	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R44	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R47	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R49	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R50	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R59	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R60	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R62	1-218-845-11	s METAL, CHIP 820 0.50%
R64	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R65	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R66	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R67	1-218-845-11	s METAL, CHIP 820 0.50%
R69	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R70	1-218-704-11	s METAL, CHIP 3.3K 0.50% 1/16W
R71	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R72	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R73	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R74	1-218-823-11	s METAL, CHIP 100 0.50% 1/16W
R75	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R76	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R77	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R78	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R79	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R80	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R81	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R82	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R83	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R84	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R85	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R86	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R87	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R92	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R93	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R94	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R97	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R99	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R103	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R104	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R105	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R106	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R107	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R108	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R109	1-211-969-11	s METAL, CHIP 10 0.50% 1/16W
R110	1-218-878-11	s METAL, CHIP 20K 0.50% 1/16W
R112	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R113	1-216-864-11	s METAL, CHIP 0 5% 1/16W
RV1	1-241-263-11	s RES, ADJ, METAL 5K

PR-240 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-650-A	o MOUNTED CIRCUIT BOARD, PR-240
3pcs	7-621-772-18	s SCREW +B 2X4
C301	1-113-500-11	s TANTALUM, CHIP 100uF 20% 10V
C304	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C305	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C308	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C309	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C310	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C311	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C312	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C313	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C314	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C315	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C316	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C317	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C318	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C320	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C321	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C322	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C323	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C328	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C329	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C330	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C331	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C332	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C333	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C335	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C336	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C337	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C401	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C402	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C404	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C405	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C406	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C407	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C409	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C410	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C411	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C412	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C413	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C415	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C416	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C417	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C418	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C419	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C420	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C421	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C422	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C424	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C425	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C426	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

(PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C427	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C428	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C429	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C437	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C438	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C445	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C446	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C447	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C448	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C449	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C450	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C451	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C452	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C455	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C456	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C457	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C458	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C459	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C460	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C461	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C462	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C463	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C464	1-135-210-11	s TANTALUM, CHIP 4.7uF 10% 10V
C465	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C466	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C467	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C468	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C469	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C474	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C475	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C476	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C477	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C478	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C479	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C480	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C481	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C482	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C483	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C487	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C488	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C489	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C490	1-111-253-11	s TANTALUM, CHIP 100uF 20% 6.3V
C497	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C498	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C499	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C500	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C501	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C502	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C503	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C504	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C506	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C512	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
D401	8-719-029-63	s DIODE RD4.3UH-T1
D402	8-719-029-63	s DIODE RD4.3UH-T1
FL301	1-233-753-21	s FILTER, LOW-PASS
IC301	8-759-524-51	s IC TC74VHC573FT(EL)
IC302	8-759-524-51	s IC TC74VHC573FT(EL)





## (PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC303	8-759-523-95	s IC TC74VHC74FT(EL)
IC304	8-759-523-80	s IC TC74VHC04FT(EL)
IC305	8-759-524-10	s IC TC74VHC157FT(EL)
IC306	8-759-524-10	s IC TC74VHC157FT(EL)
IC307	8-759-524-10	s IC TC74VHC157FT(EL)
IC308	8-759-524-10	s IC TC74VHC157FT(EL)
IC309	8-759-523-96	s IC TC74VHC86FT(EL)
IC310	8-759-524-51	s IC TC74VHC573FT(EL)
IC311	8-759-524-51	s IC TC74VHC573FT(EL)
IC312	8-759-524-51	s IC TC74VHC573FT(EL)
IC313	8-759-524-51	s IC TC74VHC573FT(EL)
IC314	8-759-524-51	s IC TC74VHC573FT(EL)
IC315	8-752-360-44	s IC CXK1203AR
IC316	8-752-360-44	s IC CXK1203AR
IC317	8-752-360-44	s IC CXK1203AR
IC318	8-752-360-44	s IC CXK1203AR
IC319	8-752-360-44	s IC CXK1203AR
IC320	8-752-360-44	s IC CXK1203AR
IC321	8-752-360-44	s IC CXK1203AR
IC322	8-752-360-44	s IC CXK1203AR
IC323	8-759-421-88	s IC SN74LVC821APW-E05
IC324	8-759-421-88	s IC SN74LVC821APW-E05
IC325	8-759-421-88	s IC SN74LVC821APW-E05
IC326	8-759-421-88	s IC SN74LVC821APW-E05
IC327	8-752-360-44	s IC CXK1203AR
IC328	8-752-360-44	s IC CXK1203AR
IC329	8-752-360-44	s IC CXK1203AR
IC330	8-752-360-44	s IC CXK1203AR
IC331	8-759-421-88	s IC SN74LVC821APW-E05
IC332	8-759-421-88	s IC SN74LVC821APW-E05
IC333	8-759-523-95	s IC TC74VHC74FT(EL)
IC334	8-752-334-64	s IC CXD1171M
IC335	8-759-049-86	s IC SN74HCT244APW-E20
IC337	8-759-196-93	s IC TC7SH00FU-TE85R
IC401	8-759-095-59	s IC M5237ML-TP1
IC402	8-759-173-16	s IC TL062CPW
IC404	8-759-523-80	s IC TC74VHC04FT(EL)
IC406	8-752-360-44	s IC CXK1203AR
IC407	8-752-360-44	s IC CXK1203AR
IC408	8-752-360-44	s IC CXK1203AR
IC409	8-752-360-44	s IC CXK1203AR
IC418	8-759-076-06	s IC TL064CPW
IC423	8-759-049-86	s IC SN74HCT244APW-E20
IC424	8-759-523-80	s IC TC74VHC04FT(EL)
IC425	8-759-523-95	s IC TC74VHC74FT(EL)
IC426	8-759-524-20	s IC TC74VHC165FT(EL)
IC427	8-759-524-20	s IC TC74VHC165FT(EL)
IC429	8-759-196-96	s IC TC7SH08FU-TE85R
IC430	8-759-496-96	s IC SN74LVC00APW-E05
IC432	8-759-196-96	s IC TC7SH08FU-TE85R
IC433	8-759-271-86	s IC TC7SH04FU
L401	1-424-643-11	s COIL, CHOKE 10UH
Q401	8-729-101-07	s TRANSISTOR 2SB798
Q402	8-729-101-07	s TRANSISTOR 2SB798
Q403	8-729-807-51	s TRANSISTOR 2SD1623-S
Q404	8-729-026-53	s TRANSISTOR 2SA1576A-T106-QR
Q405	8-729-402-84	s TRANSISTOR XN4601

## (PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R301	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R302	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R303	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R304	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R307	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R308	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R310	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R311	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R312	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R313	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R314	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R315	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R316	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R317	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R318	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R319	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R320	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R321	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R322	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R325	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R401	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R402	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R403	1-218-886-11	s METAL, CHIP 43K 0.50% 1/16W
R405	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R406	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R408	1-218-884-11	s METAL, CHIP 36K 0.50% 1/16W
R409	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R410	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R411	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R412	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R413	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R424	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R425	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R426	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R430	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R431	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R434	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R435	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R436	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R437	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R440	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R441	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R442	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R443	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R447	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R448	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R451	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R452	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R453	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R454	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R455	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R456	1-218-867-11	s METAL, CHIP 6.8K 0.50% 1/16W
R457	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R458	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R459	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R460	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R461	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R462	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R463	1-216-809-11	s METAL, CHIP 100 5% 1/16W

## (PR-240 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R464	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R465	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R466	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R467	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R468	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R469	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R472	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R473	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R478	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R479	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R480	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R481	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R482	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R483	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R484	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R485	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R486	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R491	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R492	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R494	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R496	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R498	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R499	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
RB301	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB302	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB303	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB304	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB305	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB306	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB307	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB308	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB309	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB310	1-239-419-11	s RESISTOR BLOCK, CHIP 470X4
RB401	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB402	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB403	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB404	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB405	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB406	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB407	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB408	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB409	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB410	1-239-306-11	s RESISTOR BLOCK, CHIP 10KX8
RB420	1-239-409-11	s RESISTOR BLOCK, CHIP 47X4
RB422	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB423	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB424	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB425	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB426	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB427	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB428	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB429	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4

## SE-366 BOARD

Ref. No. or Q'ty	Part No.	SP Description
lpc	1-663-031-11	o PRINTED CIRCUIT BOARD,, SE-366
CN1	1-573-806-21	s PIN, CONNECTOR (1.5MM) 6P
PH1	8-749-925-05	s REFLECTOR NJL5183KA-F20-TE1
PH2	8-749-925-05	s REFLECTOR NJL5183KA-F20-TE1

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SW-790 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-119-A	o MOUNTED CIRCUIT BOARD, SW-790
5pcs	4-937-336-42	o HOLDER, LED
5pcs	3-604-357-01	o KNOB(L),SW
C1	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C2	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C3	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C4	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C5	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C6	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C7	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
CN1	1-690-107-11	o CONNECTOR, 12P FEMALE
D1	8-719-970-06	s DIODE MPR3371X-150
D2	8-719-970-06	s DIODE MPR3371X-150
D3	8-719-970-07	s DIODE MPG3371X-150
D4	8-719-970-06	s DIODE MPR3371X-150
D5	8-719-970-06	s DIODE MPR3371X-150
D6	8-719-800-76	s DIODE 1SS226
FB1	1-414-135-11	s INDUCTOR CHIP 0uH
FB2	1-414-135-11	s INDUCTOR CHIP 0uH
IC1	8-759-268-29	s IC SN74HC595ANS
IC2	8-759-926-25	s IC SN74HC165NS
IC3	8-759-926-25	s IC SN74HC165NS
IC4	8-759-180-84	s IC TC7W74F
L1	1-412-955-11	s INDUCTOR 22uH
L2	1-412-955-11	s INDUCTOR 22uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R1	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R2	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R3	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R4	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R5	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R6	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R7	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R8	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R9	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R10	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R11	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R12	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R13	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R14	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R15	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R16	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R17	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R18	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R19	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R20	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R21	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R22	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R23	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R24	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R25	1-216-097-91	s METAL, CHIP 100K 5% 1/10W

(SW-790 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R26	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R27	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R28	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R29	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R30	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R31	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R32	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R33	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R34	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R35	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R36	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R37	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R38	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R39	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R40	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R41	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R42	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R43	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R44	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R45	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R46	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R47	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
S1	1-554-303-21	s SWITCH, PUSH
S2	1-554-592-21	s SWITCH, PUSH
S3	1-554-592-21	s SWITCH, PUSH
S4	1-570-859-11	s SWITCH, SLIDE
S5	1-554-303-21	s SWITCH, PUSH
S6	1-570-851-11	s SWITCH, SLIDE
S7	1-554-303-21	s SWITCH, PUSH
S8	1-570-859-11	s SWITCH, SLIDE
S9	1-570-859-11	s SWITCH, SLIDE
S10	1-570-859-11	s SWITCH, SLIDE
S11	1-554-303-21	s SWITCH, PUSH
S12	1-554-303-21	s SWITCH, PUSH
S13	1-553-875-00	s SWITCH, PUSH
S14	1-553-875-00	s SWITCH, PUSH
S15	1-553-875-00	s SWITCH, PUSH
S16	1-553-875-00	s SWITCH, PUSH

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SW-791 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-115-A	o MOUNTED CIRCUIT BOARD, SW-791
CN101	1-566-765-11	o PIN, CONNECTOR (PC BOARD) 10P
R101	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R102	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R103	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R104	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R105	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R106	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R107	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R108	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R109	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
S101	1-762-123-11	s SWITCH, TOGGLE
S102	1-762-123-11	s SWITCH, TOGGLE
S103	1-762-123-11	s SWITCH, TOGGLE
S104	1-762-531-11	s SWITCH, TOGGLE
S105	1-692-462-21	s SWITCH, SLIDE

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SW-792 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-131-A	o MOUNTED CIRCUIT BOARD, SW-792
1pc	3-604-390-01	s KNOB,VR
1pc	7-621-732-09	s SET SCREW HEXAGON 2X3 WP
C201	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C202	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
CN201	1-565-879-11	s PIN, CONNECTOR (PC BOARD) 7P
R201	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R202	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R203	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R204	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
R205	1-216-049-91	s METAL, CHIP 1K 5% 1/10W
RV201	1-223-684-11	s RES, VAR, CARBON 5K
S201	1-570-984-11	s SWITCH, TOGGLE
S202	1-692-313-11	s SWITCH, PUSH
S203	1-553-875-00	s SWITCH, PUSH
S204	1-570-993-11	s SWITCH, PUSH

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SW-793 BOARD  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8311-132-A	o MOUNTED CIRCUIT BOARD, SW-793
1pc	1-543-751-11	o CORE (TROIDAL)
1pc	1-560-372-00	o CONTACT, AWG22-28
1pc	1-561-516-00	o CONNECTOR HOUSING, ILG (4P)
3pcs	1-565-977-11	s CONTACT, FEMALE AWG 28-32
1pc	1-565-979-11	o HOUSING, CONNECTOR 8P
1pc	1-569-520-11	o HOUSING,10P
2pcs	1-569-679-11	o CONTACT, FEMALE
1pc	1-956-513-11	o HARNESS, SUB (POWER)
1pc	1-956-522-11	o HARNESS, SUB (SW793)
C301	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C302	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C303	1-164-232-11	s CERAMIC, CHIP 0.01uF 10% 50V
C304	1-128-528-11	s ELECT 470uF 20% 25V
CB301	△ 1-532-681-00	s CIRCUIT BREAKER 4A 125V
CN301	1-506-703-11	o CONNECTOR POST HEADER,ILG (4P)
CN304	1-566-763-11	o PIN, CONNECTOR (PC BOARD) 8P
D301	8-719-911-55	s DIODE U05G
IC301	8-759-926-25	s IC SN74HC165NS
IC302	8-759-926-25	s IC SN74HC165NS
L301	1-412-955-11	s INDUCTOR 22uH
R301	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R302	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R303	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R304	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R305	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R306	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R307	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R308	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R309	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R310	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R311	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R312	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R313	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R314	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R315	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R316	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R317	1-216-097-91	s METAL, CHIP 100K 5% 1/10W
R318	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R319	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R320	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
S301	1-762-348-11	s SWITCH, TOGGLE
S302	1-762-347-11	s SWITCH, TOGGLE
W302	1-956-516-11	o HARNESS, SUB (SW791)
W303	1-956-520-11	o HARNESS, SUB (SW792)

TG-197 BOARD			
Ref. No. or Q'ty	Part No.	SP Description	
1pc	A-8317-676-A	o MOUNTED CIRCUIT BOARD, TG-197	
C1	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C2	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C3	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C4	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C5	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C6	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C7	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C9	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C10	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C11	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C12	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C13	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C14	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C15	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C16	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C17	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C18	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C19	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C20	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C23	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C24	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C25	1-126-393-11	s	ELECT, CHIP 33uF 20% 10V
C26	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C27	1-126-405-11	s	ELECT, CHIP 10uF 20% 50V
C29	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C30	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C31	1-104-920-11	s	TANTALUM, CHIP 4.7uF 20% 35V
C32	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C33	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C34	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C35	1-162-927-11	s	CERAMIC, CHIP 100PF 5% 50V
C36	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C37	1-104-920-11	s	TANTALUM, CHIP 4.7uF 20% 35V
C38	1-126-397-11	s	ELECT, CHIP 33uF 20% 25V
C39	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C40	1-126-395-11	s	ELECT, CHIP 22uF 20% 16V
C41	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C42	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C43	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C44	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C45	1-113-500-11	s	TANTALUM, CHIP 100uF 20% 10V
C46	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C47	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C48	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C49	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C50	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C51	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C52	1-107-910-11	s	ELECT 100uF 20% 50V
C54	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C55	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C56	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C57	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C58	1-104-852-11	s	TANTALUM, CHIP 22uF 20% 10V
C59	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C60	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V

(TG-197 BOARD)			
Ref. No. or Q'ty	Part No.	SP Description	
C61	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C62	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C63	1-113-987-11	s	TANTALUM, CHIP 4.7uF 20% 25V
C64	1-104-919-11	s	TANTALUM, CHIP 10uF 20% 25V
C65	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C66	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C67	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C68	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C70	1-135-181-21	s	TANTALUM, CHIP 4.7uF 10% 6.3V
C71	1-135-181-21	s	TANTALUM, CHIP 4.7uF 10% 6.3V
C72	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C73	1-113-682-11	s	TANTALUM, CHIP 33uF 20% 10V
C74	1-107-686-11	s	TANTALUM, CHIP 4.7uF 20% 16V
C76	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C77	1-113-991-11	s	TANTALUM, CHIP 33uF 20% 16V
C78	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C79	1-162-964-11	s	CERAMIC, CHIP 0.001uF 10% 50V
C80	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C81	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C82	1-164-156-11	s	CERAMIC, CHIP 0.1uF 25V
C83	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C84	1-104-652-11	s	ELECT 470uF 20% 10V
C85	1-128-528-11	s	ELECT 470uF 20% 25V
C86	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C87	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C88	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C91	1-162-970-11	s	CERAMIC, CHIP 0.01uF 10% 25V
C92	1-104-823-11	s	TANTALUM, CHIP 47uF 20% 16V
C93	1-104-851-11	s	TANTALUM, CHIP 10uF 20% 10V
C97	1-162-917-11	s	CERAMIC, CHIP 15PF 5% 50V
C100	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C101	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C102	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C103	1-162-919-11	s	CERAMIC, CHIP 22PF 5% 50V
C105	1-162-920-11	s	CERAMIC, CHIP 27PF 5% 50V
C106	1-162-921-11	s	CERAMIC, CHIP 33PF 5% 50V
CN1	1-569-035-11	o	CONNECTOR, FPC (ZIF) 30P
CN2	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN3	1-766-382-11	o	CONNECTOR (1.5MM) 10P MALE
CN4	1-764-007-11	s	PIN, CONNECTOR (SMD) 12P
CN5	1-764-007-11	s	PIN, CONNECTOR (SMD) 12P
CN6	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN7	1-766-383-11	o	CONNECTOR (1.5MM) 12P MALE
CN8	1-573-806-21	s	PIN, CONNECTOR (1.5MM) 6P
CN9	1-568-336-11	s	CONNECTOR, BOARD TO BOARD 20P
CN10	1-695-320-21	o	CONNECTOR (1.5MM) 2P MALE
CN11	1-568-331-11	s	CONNECTOR, BOARD TO BOARD 10P
CN12	1-568-331-11	s	CONNECTOR, BOARD TO BOARD 10P
CP1	1-767-799-11	s	VCO 27MHz
D1	8-719-029-63	s	DIODE RD4.3UH-T1
D2	8-719-029-63	s	DIODE RD4.3UH-T1
D5	8-719-059-51	s	DIODE MA3J142E0LSO
D6	8-719-059-51	s	DIODE MA3J142E0LSO
D7	8-719-059-51	s	DIODE MA3J142E0LSO
D8	8-719-059-51	s	DIODE MA3J142E0LSO
D9	8-719-938-78	s	DIODE SB10-05PCP
D10	8-719-938-78	s	DIODE SB10-05PCP

## (TG-197 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D11	8-719-059-51	s DIODE MA3J142E0LSO
D12	8-719-938-78	s DIODE SB10-05PCP
FB1	1-543-775-11	s FILTER, EMI
FB2	1-543-775-11	s FILTER, EMI
FB3	1-543-775-11	s FILTER, EMI
FB4	1-543-775-11	s FILTER, EMI
FB5	1-543-775-11	s FILTER, EMI
FB6	1-543-775-11	s FILTER, EMI
FB7	1-543-775-11	s FILTER, EMI
FB8	1-543-775-11	s FILTER, EMI
IC1	8-759-095-56	s IC X24C08SC7000
IC2	8-759-083-94	s IC TC7W74FU
IC3	8-759-148-39	s IC CXD8095Q
IC5	8-759-076-06	s IC TL064CPW
IC6	8-759-076-06	s IC TL064CPW
IC7	8-759-234-20	s IC TC7S08F
IC8	8-759-394-05	s IC TC7SH08F-TE85R
IC10	8-759-196-96	s IC TC7SH08FU-TE85R
IC11	8-759-196-96	s IC TC7SH08FU-TE85R
IC12	8-759-523-79	s IC TC74VHC02FT(EL)
IC13	8-759-635-27	s IC M62352GP
IC14	8-759-172-33	s IC UPD16502GS(1)
IC15	8-759-172-33	s IC UPD16502GS(1)
IC16	8-759-172-33	s IC UPD16502GS(1)
IC17	8-759-058-58	s IC TC7S04FU(TE85R)
IC18	8-759-271-86	s IC TC7SH04FU
IC19	8-759-271-86	s IC TC7SH04FU
IC21	8-759-058-64	s IC TC7S32FU(TE85R)
IC22	8-759-185-42	s IC LM4040AIM3-2.5
IC23	8-759-196-96	s IC TC7SH08FU-TE85R
IC30	8-759-196-96	s IC TC7SH08FU-TE85R
IC31	8-759-196-97	s IC TC7SH32FU-TE85R
IC32	8-759-196-96	s IC TC7SH08FU-TE85R
IC33	8-759-196-96	s IC TC7SH08FU-TE85R
IC34	8-759-196-96	s IC TC7SH08FU-TE85R
IC35	8-759-271-86	s IC TC7SH04FU
IC36	8-759-082-58	s IC TC7W08FU
L1	1-410-389-31	s INDUCTOR CHIP 47uH
L2	1-410-389-31	s INDUCTOR CHIP 47uH
L3	1-410-389-31	s INDUCTOR CHIP 47uH
L4	1-410-369-11	s INDUCTOR CHIP 1uH
L5	1-410-377-31	s INDUCTOR CHIP 4.7uH
L6	1-410-369-11	s INDUCTOR CHIP 1uH
L7	1-410-389-31	s INDUCTOR CHIP 47uH
L8	1-412-282-41	s INDUCTOR 470uH
L9	1-410-389-31	s INDUCTOR CHIP 47uH
L10	1-410-389-31	s INDUCTOR CHIP 47uH
L11	1-410-369-11	s INDUCTOR CHIP 1uH
L12	1-410-369-11	s INDUCTOR CHIP 1uH
Q1	8-729-101-07	s TRANSISTOR 2SB798
Q2	8-729-101-07	s TRANSISTOR 2SB798
Q3	8-729-807-51	s TRANSISTOR 2SD1623-S
Q4	8-729-101-07	s TRANSISTOR 2SB798
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-101-07	s TRANSISTOR 2SB798
Q7	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q8	8-729-101-07	s TRANSISTOR 2SB798

## (TG-197 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q9	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q10	8-729-216-22	s TRANSISTOR 2SA1162
Q11	8-729-216-22	s TRANSISTOR 2SA1162
Q12	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R1	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R2	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R3	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R4	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R5	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R6	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R7	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R8	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R9	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R10	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R11	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R12	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R13	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R14	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R15	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R16	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R17	1-218-831-11	s METAL, CHIP 220 0.50% 1/16W
R19	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R20	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R21	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R22	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R23	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R24	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R25	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R26	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R27	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R28	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R29	1-218-891-11	s METAL, CHIP 68K 0.50% 1/16W
R30	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R31	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R32	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R33	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R34	1-218-896-11	s METAL, CHIP 110K 0.50% 1/16W
R35	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R36	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R37	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R38	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R39	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R40	1-218-896-11	s METAL, CHIP 110K 0.50% 1/16W
R41	1-218-879-11	s METAL, CHIP 22K 0.50% 1/16W
R42	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R43	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R44	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R45	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R46	1-218-843-11	s METAL, CHIP 680 0.50% 1/16W
R47	1-218-880-11	s METAL, CHIP 24K 0.50% 1/16W
R48	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R50	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R52	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R53	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R54	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R55	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R56	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R57	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W

## (TG-197 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R58	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R59	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R60	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R61	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R62	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R63	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R64	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R65	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R66	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R67	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R68	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R71	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R72	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R73	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R74	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R75	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R76	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R77	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R78	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R79	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R80	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R81	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R82	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R83	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R84	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R85	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R87	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R88	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R93	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R94	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R95	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R96	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R97	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R98	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R99	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R100	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R101	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R102	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R103	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R105	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R106	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R107	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R110	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R111	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R112	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R113	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R114	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R115	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R116	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R117	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R120	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R121	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R123	1-216-815-11	s METAL, CHIP 330 5% 1/16W

## VA-185 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8317-671-A	o MOUNTED CIRCUIT BOARD, VA-185
C1	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C2	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C3	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C4	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C5	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C6	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C7	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C8	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C9	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C10	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C11	1-104-563-11	s FILM, CHIP 0.1uF 5% 16V
C12	1-162-957-11	s CERAMIC 220PF 5% 50V
C13	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C14	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C15	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C16	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C17	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C18	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C19	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C20	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C21	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C22	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C27	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C28	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C29	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C30	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C31	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C33	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C34	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C35	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C36	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C37	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C38	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C39	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C40	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C41	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C42	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C43	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C44	1-104-823-11	s TANTALUM, CHIP 47uF 20% 16V
C45	1-104-852-11	s TANTALUM, CHIP 22uF 20% 10V
C46	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C47	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C48	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C49	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C50	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C51	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C52	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C53	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C55	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C56	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C101	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C102	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C103	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C104	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C105	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C106	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C107	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V

## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C108	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C109	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C110	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C111	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C113	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C114	1-162-912-11	s CERAMIC, CHIP 7PF 0.5PF 50V
C115	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C116	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C117	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C118	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C119	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C120	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C121	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C122	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C123	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C124	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C125	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C126	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C127	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C128	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C129	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C130	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C131	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C132	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C133	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C134	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C135	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C136	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C137	1-117-136-11	s ELECT 10uF 20% 6.3V
C138	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C139	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C140	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C141	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C144	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C145	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C146	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C147	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C148	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C149	1-117-139-11	s ELECT 2.2uF 20% 35V
C150	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C151	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C152	1-117-136-11	s ELECT 10uF 20% 6.3V
C153	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C154	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C155	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C156	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C157	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C158	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C159	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C160	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C161	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C162	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C163	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C164	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C165	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C166	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C167	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C168	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C169	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V

## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C170	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C172	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C174	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C175	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C176	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C201	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C202	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C203	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C204	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C205	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C206	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C207	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C208	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C209	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C210	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C211	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C213	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C214	1-162-912-11	s CERAMIC, CHIP 7PF 0.5PF 50V
C215	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C216	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C217	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C218	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C219	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C220	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C221	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C222	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C223	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C224	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C225	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C226	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C227	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C228	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C229	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C230	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C231	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C232	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C233	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C234	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C235	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C236	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C237	1-117-136-11	s ELECT 10uF 20% 6.3V
C238	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C239	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C240	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C241	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C244	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C245	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C246	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C247	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C248	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C249	1-117-139-11	s ELECT 2.2uF 20% 35V
C250	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C251	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C252	1-117-136-11	s ELECT 10uF 20% 6.3V
C253	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C254	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C255	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C256	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C257	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V



## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C258	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C259	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C260	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C261	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C262	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C263	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C264	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C265	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C266	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C267	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C268	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C269	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C270	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C272	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C274	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C275	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C276	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C301	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C302	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C303	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C304	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C305	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C306	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C307	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C308	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C309	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C310	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C311	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C313	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C314	1-162-912-11	s CERAMIC, CHIP 7PF 0.5PF 50V
C315	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C316	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C317	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C318	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C319	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C320	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C321	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C322	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C323	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C324	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C325	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C326	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C327	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C328	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C329	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C330	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C331	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C332	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C333	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C334	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C335	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C336	1-107-689-21	s TANTALUM, CHIP 1uF 20% 35V
C337	1-117-136-11	s ELECT 10uF 20% 6.3V
C338	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C339	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C340	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C341	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C344	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C345	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V

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Ref. No. or Q'ty	Part No.	SP Description
C346	1-113-991-11	s TANTALUM, CHIP 33uF 20% 16V
C347	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C348	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C349	1-117-139-11	s ELECT 2.2uF 20% 35V
C350	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C351	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C352	1-117-136-11	s ELECT 10uF 20% 6.3V
C353	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C354	1-113-642-11	s TANTALUM, CHIP 47uF 20% 10V
C355	1-113-682-11	s TANTALUM, CHIP 33uF 20% 10V
C356	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C357	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C358	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C359	1-107-686-11	s TANTALUM, CHIP 4.7uF 20% 16V
C360	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C361	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C362	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C363	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C364	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C365	1-110-569-11	s TANTALUM, CHIP 47uF 20% 6.3V
C366	1-162-907-11	s CERAMIC, CHIP 2PF 50V
C367	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C368	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C369	1-162-910-11	s CERAMIC, CHIP 5PF 0.25PF 50V
C370	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C372	1-104-851-11	s TANTALUM, CHIP 10uF 20% 10V
C374	1-162-909-11	s CERAMIC, CHIP 4PF 0.25PF 50V
C375	1-162-915-11	s CERAMIC, CHIP 10PF 0.5PF 50V
C376	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
D1	8-719-059-52	s DIODE MA3J14300LSO
D4	8-719-029-63	s DIODE RD4.3UH-T1
D5	8-719-029-63	s DIODE RD4.3UH-T1
D101	8-719-421-69	s DIODE MA133
D102	8-719-421-69	s DIODE MA133
D201	8-719-421-69	s DIODE MA133
D202	8-719-421-69	s DIODE MA133
D301	8-719-421-69	s DIODE MA133
D302	8-719-421-69	s DIODE MA133
FL101	1-402-639-11	s FILTER, TRAP
FL201	1-402-639-11	s FILTER, TRAP
FL301	1-402-639-11	s FILTER, TRAP
IC1	8-759-635-27	s IC M62352GP
IC2	8-759-059-50	s IC MB88351PFV
IC3	8-759-066-61	s IC TC4053BFS
IC4	8-759-076-06	s IC TL064CPW
IC5	8-759-066-61	s IC TC4053BFS
IC7	8-759-050-14	s IC SN74HC175APW-E05
IC10	8-759-049-60	s IC SN74HC08APW-E05
IC11	8-759-049-96	s IC SN74HC32APW-E20
IC12	8-759-523-95	s IC TC74VHC74FT(EL)
IC13	8-759-049-58	s IC SN74HC04APW-E05
IC14	8-759-173-16	s IC TL062CPW
IC15	8-759-175-02	s IC TL074CPW-ELM1000
IC16	8-759-082-55	s IC TC7W00FU(TL2R)
IC17	8-759-066-61	s IC TC4053BFS
IC101	8-759-066-61	s IC TC4053BFS
IC102	8-759-271-18	s IC NJM1496V
IC103	8-759-066-61	s IC TC4053BFS

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Ref. No. or Q'ty	Part No.	SP	Description
IC105	8-759-271-18	s	IC NJM1496V
IC106	8-759-066-61	s	IC TC4053BFS
IC107	8-759-076-06	s	IC TL064CPW
IC108	8-752-376-32	s	IC CXD2310AR-T4
IC201	8-759-066-61	s	IC TC4053BFS
IC202	8-759-271-18	s	IC NJM1496V
IC203	8-759-066-61	s	IC TC4053BFS
IC205	8-759-271-18	s	IC NJM1496V
IC206	8-759-066-61	s	IC TC4053BFS
IC207	8-759-076-06	s	IC TL064CPW
IC208	8-752-376-32	s	IC CXD2310AR-T4
IC301	8-759-066-61	s	IC TC4053BFS
IC302	8-759-271-18	s	IC NJM1496V
IC303	8-759-066-61	s	IC TC4053BFS
IC305	8-759-271-18	s	IC NJM1496V
IC306	8-759-066-61	s	IC TC4053BFS
IC307	8-759-076-06	s	IC TL064CPW
IC308	8-752-376-32	s	IC CXD2310AR-T4
L1	1-412-951-11	s	INDUCTOR 10uH
L101	1-412-957-11	s	INDUCTOR 33uH
L102	1-412-961-11	s	INDUCTOR 68uH
L103	1-412-951-11	s	INDUCTOR 10uH
L104	1-412-951-11	s	INDUCTOR 10uH
L201	1-412-957-11	s	INDUCTOR 33uH
L202	1-412-961-11	s	INDUCTOR 68uH
L203	1-412-951-11	s	INDUCTOR 10uH
L204	1-412-951-11	s	INDUCTOR 10uH
L301	1-412-957-11	s	INDUCTOR 33uH
L302	1-412-961-11	s	INDUCTOR 68uH
L303	1-412-951-11	s	INDUCTOR 10uH
L304	1-412-951-11	s	INDUCTOR 10uH
Q1	8-729-402-84	s	TRANSISTOR XN4601
Q2	8-729-420-20	s	TRANSISTOR XN4312
Q3	8-729-402-19	s	TRANSISTOR XN6501
Q4	8-729-402-84	s	TRANSISTOR XN4601
Q6	8-729-101-07	s	TRANSISTOR 2SB798
Q7	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q8	8-729-101-07	s	TRANSISTOR 2SB798
Q9	8-729-101-07	s	TRANSISTOR 2SB798
Q101	8-729-402-78	s	TRANSISTOR XN6401
Q102	8-729-402-19	s	TRANSISTOR XN6501
Q103	8-729-117-72	s	TRANSISTOR 2SC4178
Q104	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q105	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q106	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q107	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q108	8-729-117-72	s	TRANSISTOR 2SC4178
Q109	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q110	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q111	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q112	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q113	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q114	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q115	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q116	8-729-905-35	s	TRANSISTOR 2SC4081R
Q117	8-729-403-29	s	TRANSISTOR XN6435
Q118	8-729-403-32	s	TRANSISTOR XN6534
Q119	8-729-143-07	s	TRANSISTOR 2SA1610-Y33

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Ref. No. or Q'ty	Part No.	SP	Description
Q120	8-729-402-19	s	TRANSISTOR XN6501
Q121	8-729-402-78	s	TRANSISTOR XN6401
Q123	8-729-905-35	s	TRANSISTOR 2SC4081R
Q201	8-729-402-78	s	TRANSISTOR XN6401
Q202	8-729-402-19	s	TRANSISTOR XN6501
Q203	8-729-117-72	s	TRANSISTOR 2SC4178
Q204	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q205	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q206	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q207	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q208	8-729-117-72	s	TRANSISTOR 2SC4178
Q209	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q210	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q211	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q212	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q213	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q214	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q215	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q216	8-729-905-35	s	TRANSISTOR 2SC4081R
Q217	8-729-403-29	s	TRANSISTOR XN6435
Q218	8-729-403-32	s	TRANSISTOR XN6534
Q219	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q220	8-729-402-19	s	TRANSISTOR XN6501
Q221	8-729-402-78	s	TRANSISTOR XN6401
Q223	8-729-905-35	s	TRANSISTOR 2SC4081R
Q301	8-729-402-78	s	TRANSISTOR XN6401
Q302	8-729-402-19	s	TRANSISTOR XN6501
Q303	8-729-117-72	s	TRANSISTOR 2SC4178
Q304	8-729-142-90	s	TRANSISTOR 2SK853-K5
Q305	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q306	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q307	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q308	8-729-117-72	s	TRANSISTOR 2SC4178
Q309	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q310	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q311	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q312	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q313	8-729-026-53	s	TRANSISTOR 2SA1576A-T106-QR
Q314	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q315	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q316	8-729-905-35	s	TRANSISTOR 2SC4081R
Q317	8-729-403-29	s	TRANSISTOR XN6435
Q318	8-729-403-32	s	TRANSISTOR XN6534
Q319	8-729-143-07	s	TRANSISTOR 2SA1610-Y33
Q320	8-729-402-19	s	TRANSISTOR XN6501
Q321	8-729-402-78	s	TRANSISTOR XN6401
Q323	8-729-905-35	s	TRANSISTOR 2SC4081R
R1	1-216-821-11	s	METAL, CHIP 1K 5% 1/16W
R2	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R3	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R4	1-216-827-11	s	METAL, CHIP 3.3K 5% 1/16W
R5	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R6	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R7	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W
R8	1-218-887-11	s	METAL, CHIP 47K 0.50% 1/16W
R9	1-218-875-11	s	METAL, CHIP 15K 0.50% 1/16W
R10	1-218-894-11	s	METAL, CHIP 91K 0.50% 1/16W
R11	1-218-883-11	s	METAL, CHIP 33K 0.50% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R12	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R13	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R14	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R15	1-218-894-11	s METAL, CHIP 91K 0.50% 1/16W
R16	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R17	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R18	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R19	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R20	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R21	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R22	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R23	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R24	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R25	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R26	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R27	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R28	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R29	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R30	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R31	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R32	1-218-862-11	s METAL, CHIP 4.3K 0.50% 1/16W
R33	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R34	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R35	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R36	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R37	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R38	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R39	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R40	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R41	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R42	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R44	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R46	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R47	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R48	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R50	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R51	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R52	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R53	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R54	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R55	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R58	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R59	1-218-884-11	s METAL, CHIP 36K 0.50% 1/16W
R60	1-218-881-11	s METAL, CHIP 27K 0.50% 1/16W
R61	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R62	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R63	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R64	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R65	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R66	1-218-883-11	s METAL, CHIP 33K 0.50% 1/16W
R67	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R68	1-218-886-11	s METAL, CHIP 43K 0.50% 1/16W
R70	1-218-875-11	s METAL, CHIP 15K 0.50% 1/16W
R71	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R72	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R77	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R79	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R80	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R81	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R82	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R83	1-218-859-11	s METAL, CHIP 3.3K 0.50% 1/16W
R84	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R85	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R86	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R88	1-218-848-11	s METAL, CHIP 1.1K 0.50% 1/16W
R91	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R92	1-216-852-11	s METAL, CHIP 390K 5% 1/16W
R93	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R94	1-216-852-11	s METAL, CHIP 390K 5% 1/16W
R95	1-216-863-11	s METAL, CHIP 3.3M 5% 1/16W
R96	1-216-852-11	s METAL, CHIP 390K 5% 1/16W
R101	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R102	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R103	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R104	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R105	1-218-846-11	s METAL, CHIP 910 0.50% 1/
R106	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R107	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R108	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R109	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R110	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R111	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R112	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R113	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R114	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R115	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R116	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R117	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R118	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R119	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R120	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R121	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R122	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R123	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R125	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R126	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R127	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R128	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R129	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R130	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R131	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R132	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R133	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R134	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R135	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R136	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R137	1-218-874-11	s METAL, CHIP 13K 0.50% 1/16W
R138	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R139	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R140	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R141	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R142	1-211-984-11	s METAL, CHIP 43 0.50% 1/16W
R143	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R144	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R145	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R146	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R147	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R148	1-218-694-11	s METAL, CHIP 1.2K 0.50% 1/16W

## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R149	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R150	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R152	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R154	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R155	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R156	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R157	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R158	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R159	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R160	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R161	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R162	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R163	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R164	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R165	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R166	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R167	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R168	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R169	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R170	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R171	1-218-864-11	s METAL, CHIP 5.1K 0.50% 1/16W
R172	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R173	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R174	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R175	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R176	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R177	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R178	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R179	1-218-901-11	s METAL, CHIP 180K 0.50% 1
R180	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R181	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R182	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R183	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R186	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R189	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R190	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R191	1-216-862-11	s METAL, CHIP 2.7M 5% 1/16W
R192	1-216-860-11	s METAL, CHIP 1.8M 5% 1/16W
R193	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R194	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R195	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R197	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R198	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R199	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R201	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R202	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R203	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R204	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R205	1-218-846-11	s METAL, CHIP 910 0.50% 1/
R206	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R207	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R208	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R209	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R210	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R211	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R212	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R213	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R214	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R215	1-216-834-11	s METAL, CHIP 12K 5% 1/16W

## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R216	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R217	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R218	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R219	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R220	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R221	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R222	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R223	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R225	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R226	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R227	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R228	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R229	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R230	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R231	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R232	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R233	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R234	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R235	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R236	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R237	1-218-874-11	s METAL, CHIP 13K 0.50% 1/16W
R238	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R239	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R240	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R241	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R242	1-211-984-11	s METAL, CHIP 43 0.50% 1/16W
R243	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W
R244	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R245	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R246	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R247	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R248	1-218-694-11	s METAL, CHIP 1.2K 0.50% 1/16W
R249	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R250	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R252	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R254	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R255	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R256	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R257	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R258	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R259	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R260	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R261	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R262	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R263	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R264	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R265	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R266	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R267	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R268	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R269	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R270	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R271	1-218-864-11	s METAL, CHIP 5.1K 0.50% 1/16W
R272	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R273	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R274	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R275	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R276	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R277	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W

## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R278	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R279	1-218-901-11	s METAL, CHIP 180K 0.50% 1
R280	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R281	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R282	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R283	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R286	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R289	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R290	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R291	1-216-862-11	s METAL, CHIP 2.7M 5% 1/16W
R292	1-216-860-11	s METAL, CHIP 1.8M 5% 1/16W
R293	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R294	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R295	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R297	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R298	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R299	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R301	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R302	1-218-853-11	s METAL, CHIP 1.8K 0.50% 1/16W
R303	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R304	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R305	1-218-846-11	s METAL, CHIP 910 0.50% 1/
R306	1-218-885-11	s METAL, CHIP 39K 0.50% 1/16W
R307	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R308	1-218-847-11	s METAL, CHIP 1K 0.50% 1/16W
R309	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R310	1-218-852-11	s METAL, CHIP 1.6K 0.50% 1/16W
R311	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R312	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R313	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R314	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R315	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R316	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R317	1-218-856-11	s METAL, CHIP 2.4K 0.50% 1/16W
R318	1-218-877-11	s METAL, CHIP 18K 0.50% 1/16W
R319	1-218-829-11	s METAL, CHIP 180 0.50% 1/16W
R320	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R321	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R322	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R323	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R325	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R326	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R327	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R328	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R329	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R330	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R331	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R332	1-218-895-11	s METAL, CHIP 100K 0.50% 1/16W
R333	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R334	1-218-695-11	s METAL, CHIP 1.3K 0.50% 1/16W
R335	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R336	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R337	1-218-874-11	s METAL, CHIP 13K 0.50% 1/16W
R338	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R339	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R340	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R341	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R342	1-211-984-11	s METAL, CHIP 43 0.50% 1/16W
R343	1-211-985-11	s METAL, CHIP 47 0.50% 1/16W

## (VA-185 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R344	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R345	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R346	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R347	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R348	1-218-694-11	s METAL, CHIP 1.2K 0.50% 1/16W
R349	1-218-903-11	s METAL, CHIP 220K 0.50% 1/16W
R350	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R352	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R354	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R355	1-218-855-11	s METAL, CHIP 2.2K 0.50% 1/16W
R356	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R357	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R358	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R359	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R360	1-218-839-11	s METAL, CHIP 470 0.50% 1/16W
R361	1-218-851-11	s METAL, CHIP 1.5K 0.50% 1/16W
R362	1-218-871-11	s METAL, CHIP 10K 0.50% 1/16W
R363	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R364	1-218-857-11	s METAL, CHIP 2.7K 0.50% 1/16W
R365	1-218-837-11	s METAL, CHIP 390 0.50% 1/16W
R366	1-218-838-11	s METAL, CHIP 430 0.50% 1/16W
R367	1-218-849-11	s METAL, CHIP 1.2K 0.50% 1/16W
R368	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R369	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R370	1-218-863-11	s METAL, CHIP 4.7K 0.50% 1/16W
R371	1-218-864-11	s METAL, CHIP 5.1K 0.50% 1/16W
R372	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R373	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R374	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R375	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R376	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R377	1-218-869-11	s METAL, CHIP 8.2K 0.50% 1/16W
R378	1-218-873-11	s METAL, CHIP 12K 0.50% 1/16W
R379	1-218-901-11	s METAL, CHIP 180K 0.50% 1
R380	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R381	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R382	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R383	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R386	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R389	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R390	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R391	1-216-862-11	s METAL, CHIP 2.7M 5% 1/16W
R392	1-216-860-11	s METAL, CHIP 1.8M 5% 1/16W
R393	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R394	1-218-907-11	s METAL, CHIP 330K 0.50% 1/16W
R395	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R397	1-218-887-11	s METAL, CHIP 47K 0.50% 1/16W
R398	1-218-865-11	s METAL, CHIP 5.6K 0.50% 1/16W
R399	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
RB1	1-236-904-11	s RESISTOR BLOCK, CHIP 1KX4
RB2	1-236-907-11	s RESISTOR BLOCK, CHIP 100KX4
RB101	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB102	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB103	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB201	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB202	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB203	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB301	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB302	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4
RB303	1-239-416-11	s RESISTOR BLOCK, CHIP 220X4

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FRAME  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	1-473-883-21	s CONVERTER UNIT, DC-DC
1pc	1-758-131-11	o FILTER UNIT, OPTICAL
3pcs	1-777-764-11	s CABLE, FLAT (20-CORE)(MB-CN)
1pc	1-777-768-11	s CABLE, FLAT (30-CORE)(MB-TG)
1pc	1-956-511-11	o HARNESS, SUB (DEF)
1pc	1-956-512-11	o HARNESS, SUB (FL)(MB-SE)
1pc	1-956-527-11	o HARNESS, SUB (VCO)
FB101	1-500-249-11	s BEAD, FERRITE (CASE)
FB102	1-500-249-11	s BEAD, FERRITE (CASE)
FB103	1-500-249-11	s BEAD, FERRITE (CASE)
FB104	1-543-936-11	s CORE (FPC)
FB105	1-543-936-11	s CORE (FPC)
FB106	1-543-936-11	s CORE (FPC)

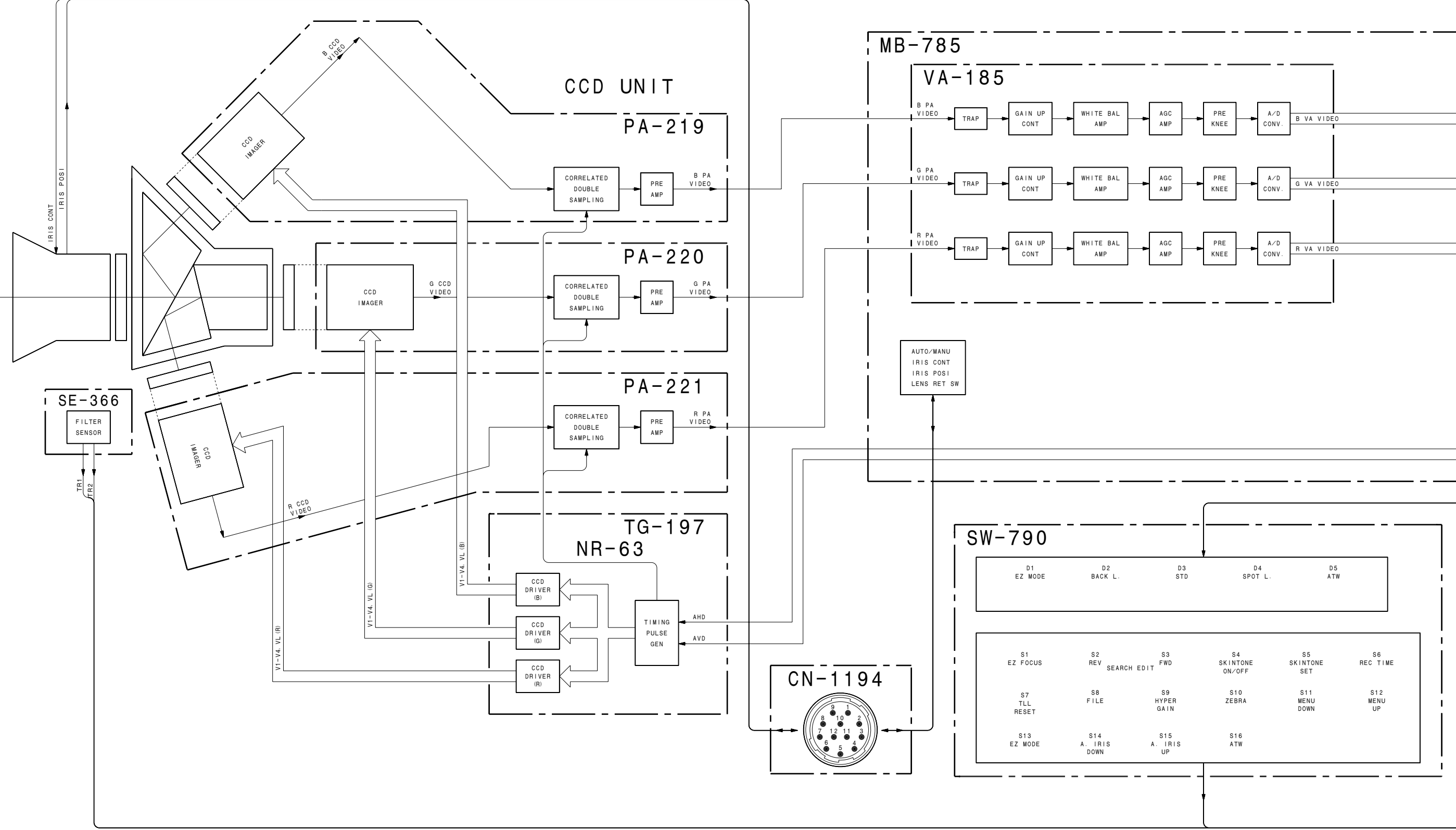
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SUPPLIED ACCESSORIES  
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Ref. No. or Q'ty	Part No.	SP Description
1pc	3-764-889-01	o CHART, ADJUSTMENT
1pc	3-858-217-04	s MANUAL, INSTRUCTION(JAPANESE)
1pc	3-858-217-14	s MANUAL, INSTRUCTION(ENGLISH)
1pc	3-858-217-24	s MANUAL, INSTRUCTION(FRENCH)
1pc	3-858-217-34	s MANUAL, INSTRUCTION(GERMAN)
1pc	3-858-217-44	s MANUAL, INSTRUCTION(ITALIAN)
1pc	3-858-217-54	s MANUAL, INSTRUCTION(CHINESE)
1pc	1-542-296-21	o MICROPHONE
1pc	3-179-882-01	o SPACER, MICROPHONE

## **SECTION 6**

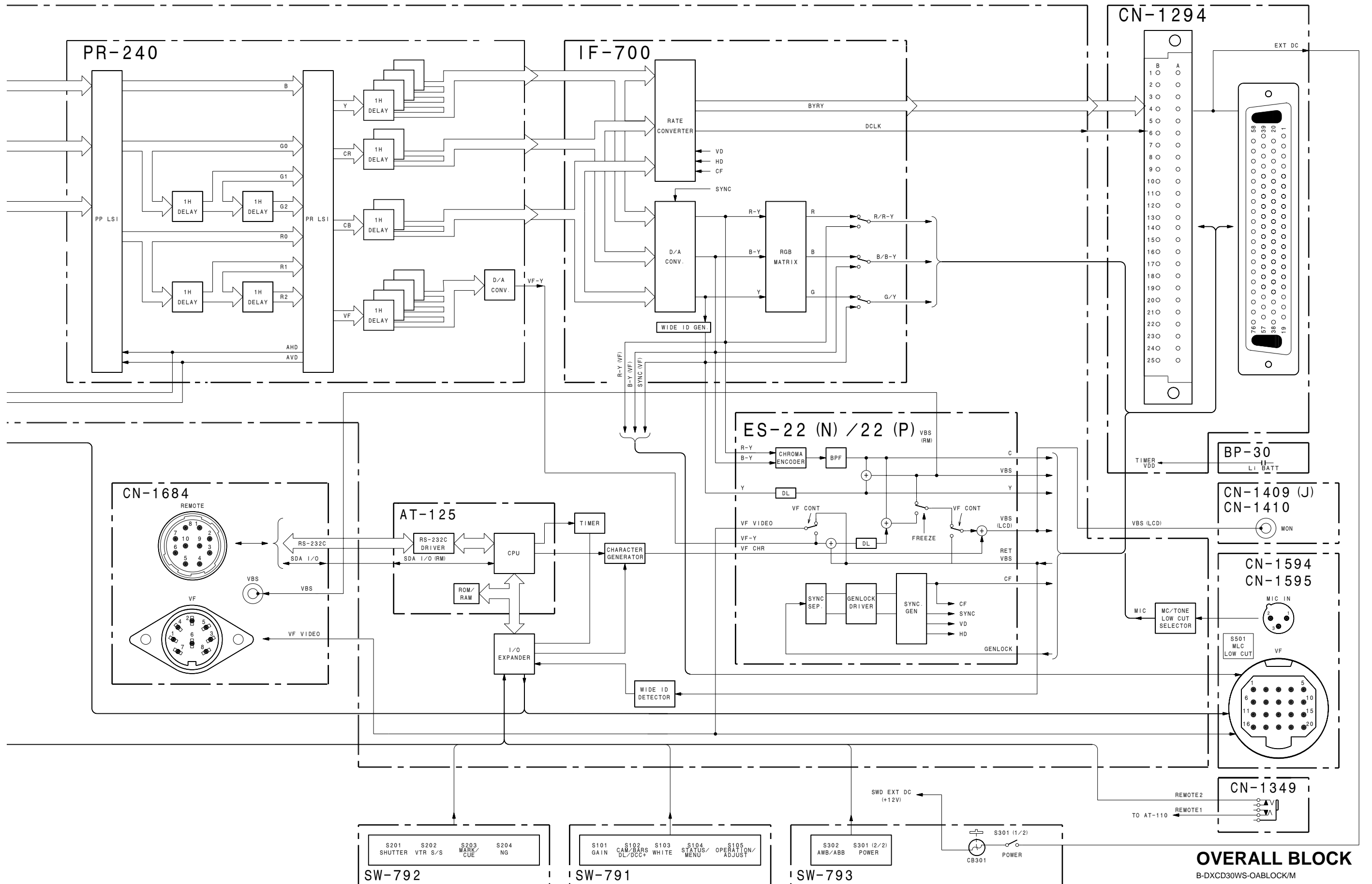
### **BLOCK DIAGRAMS**

OVERALL BLOCK

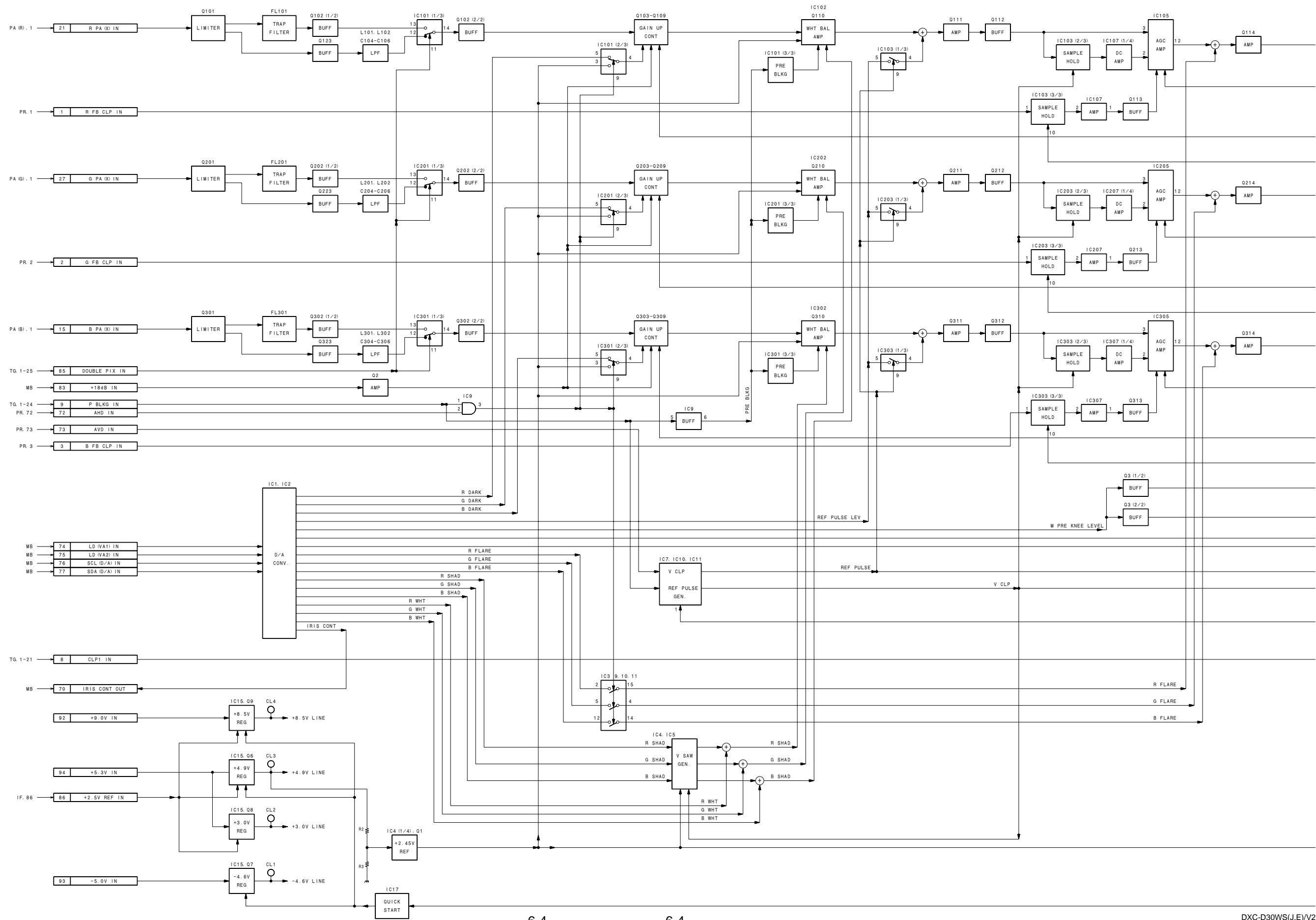


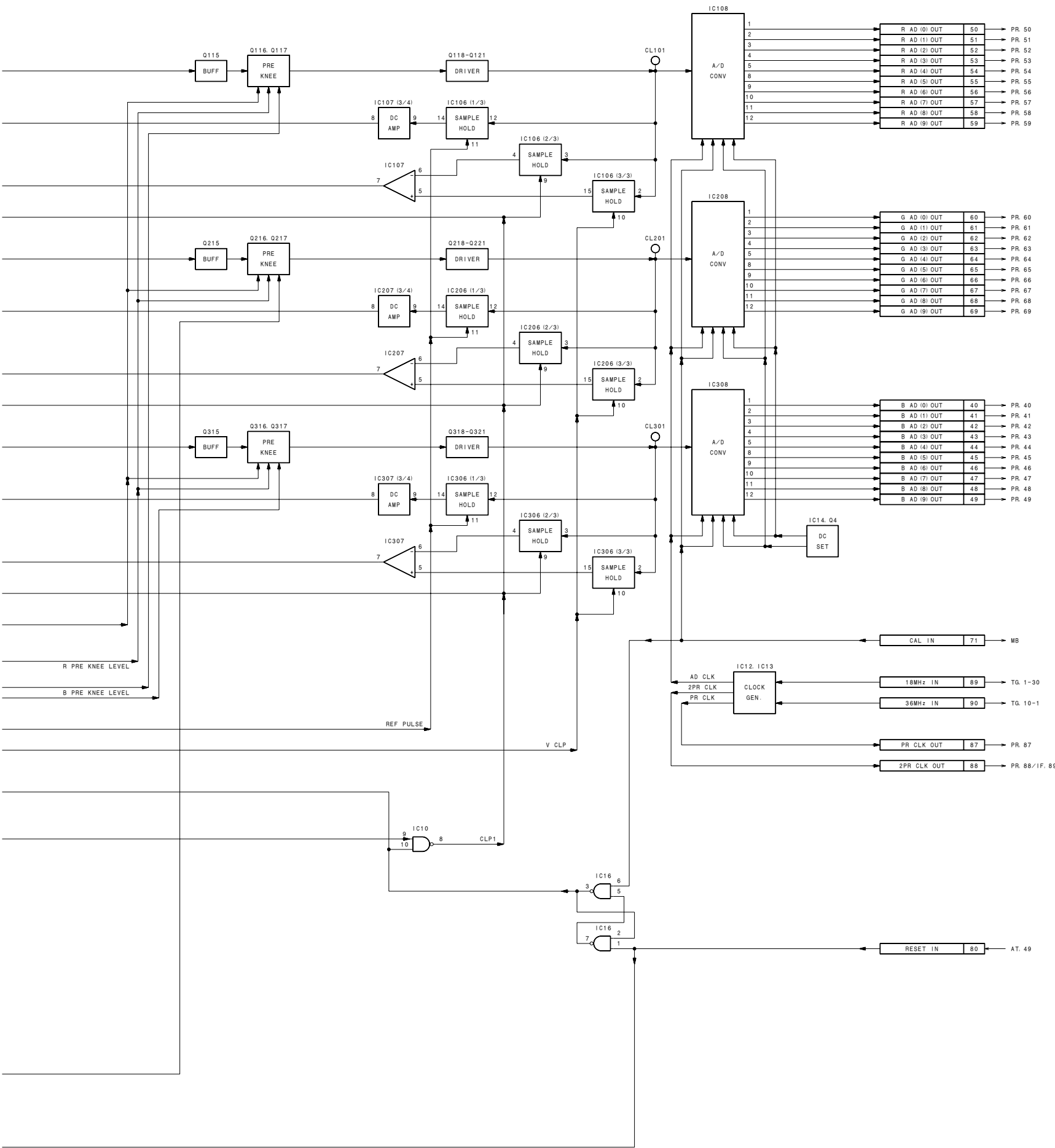


# OVERALL BLOCK OVERALL BLOCK



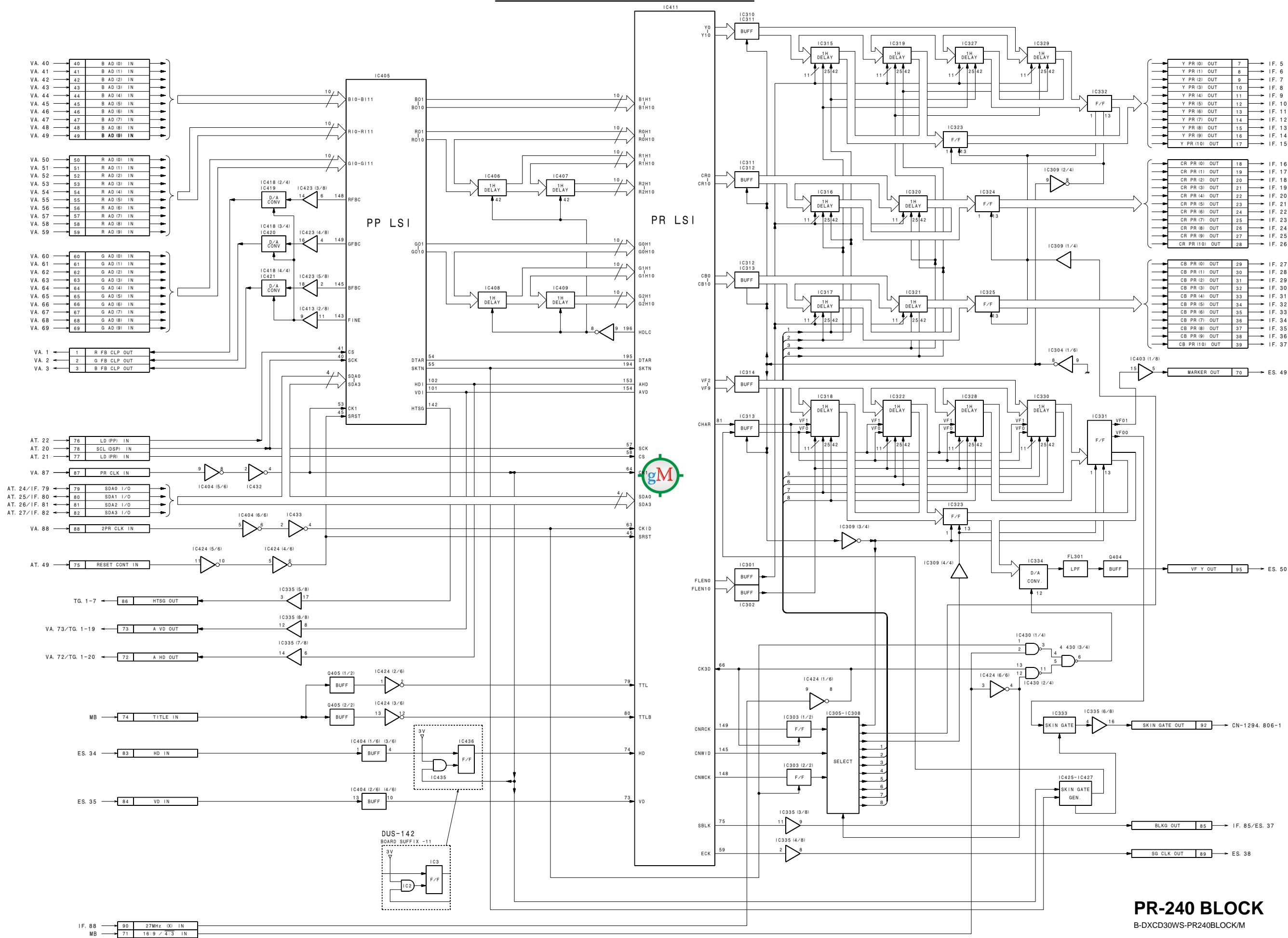
**OVERALL BLOCK**  
B-DXCD30WS-OABLOCK/M





VA-185 BLOCK  
B-DXCD30WS-VA185BLOCK/M

PR-240 BLOCK PR-240 BLOCK

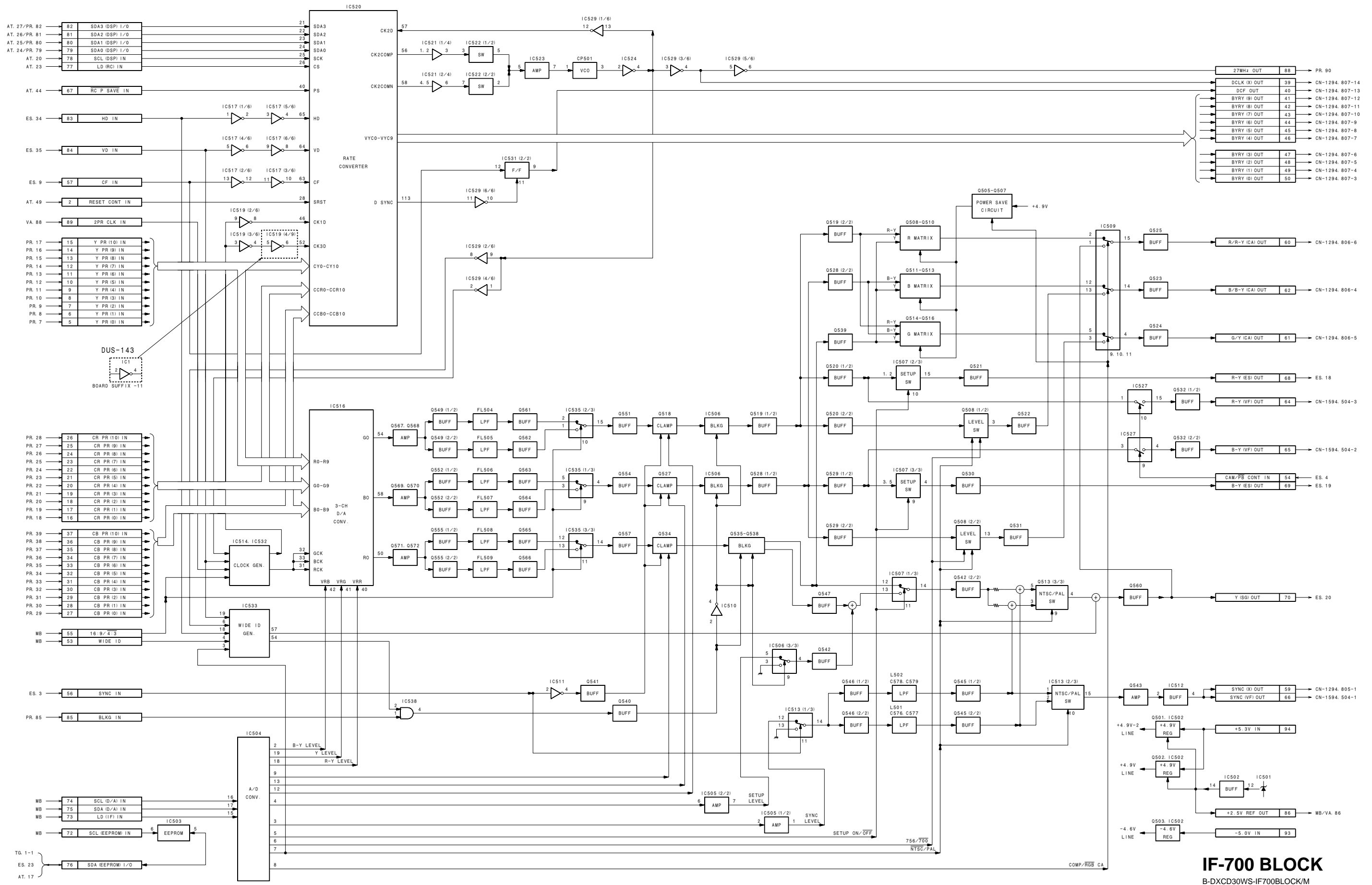


PR-240 BLOCK

B-DXCD30WS-PR240BLOCK/M

DXC-D30WS(J,E)/V2

# IF-700 BLOCK IF-700 BLOCK



**IF-700 BLOCK**  
B-DXCD30WS-IF700BLOCK/M

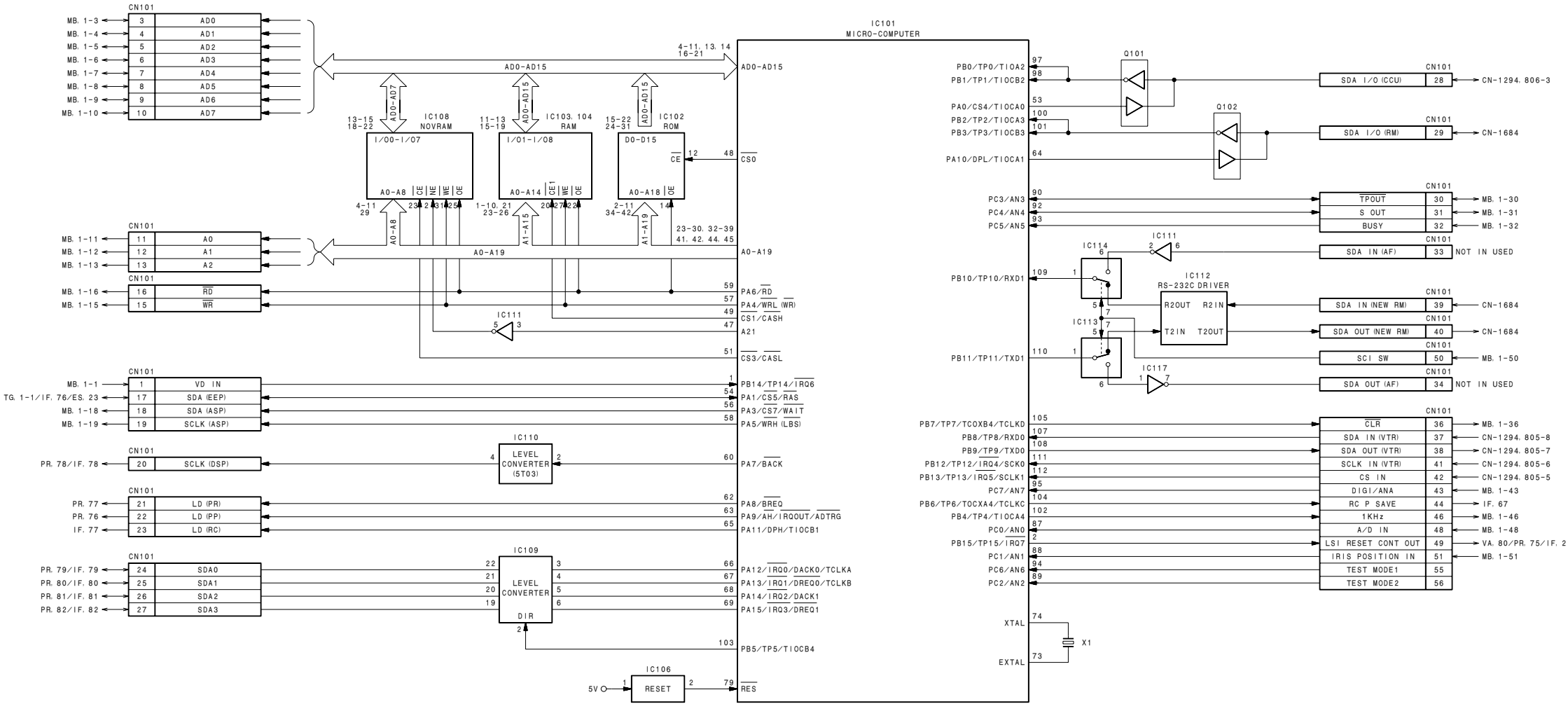
## ES-22 BLOCK



(N) : NTSC ONLY

## ES-22 BLOCK

B-DXCD30WS-ES22BLOCK/M

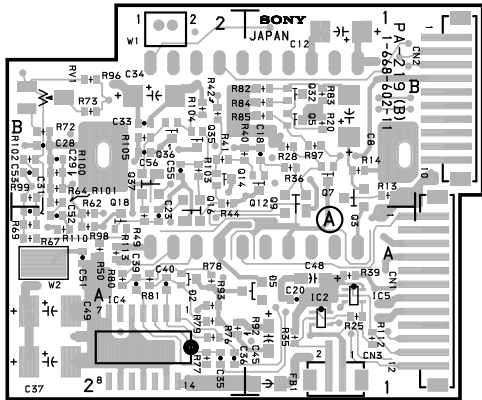




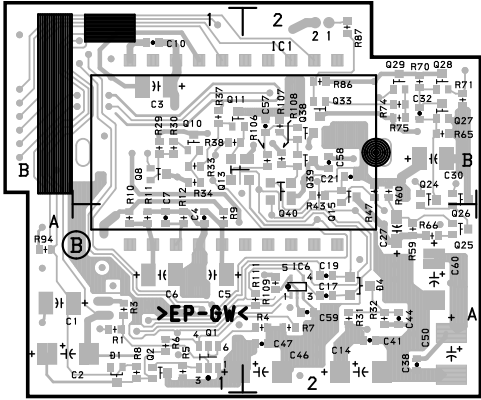


## **SECTION 7**

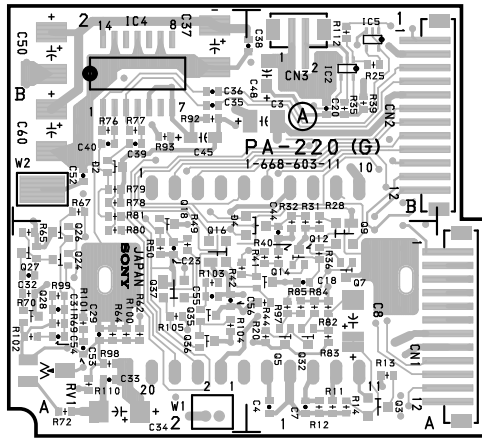
### **SCHEMATIC DIAGRAMS AND BOARD LAYOUTS**



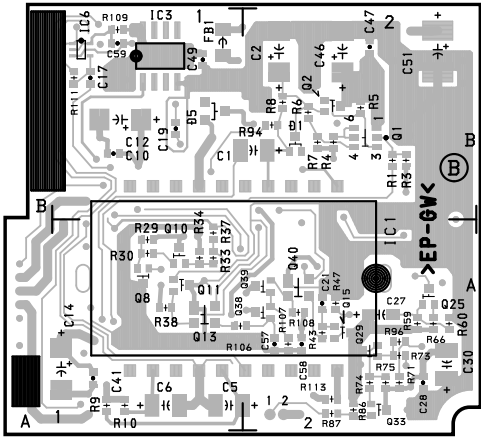
PA-219 (B) -A SIDE-  
1-668-602-11



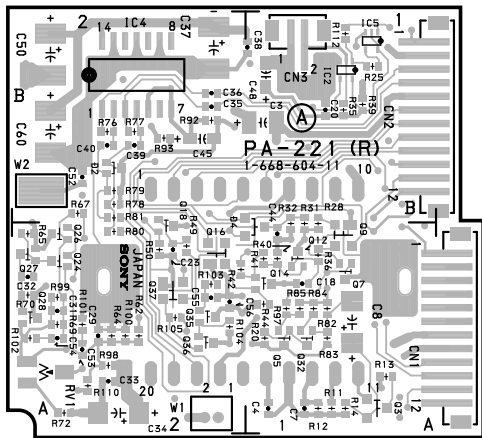
PA-219 (B) -B SIDE-  
1-668-602-11



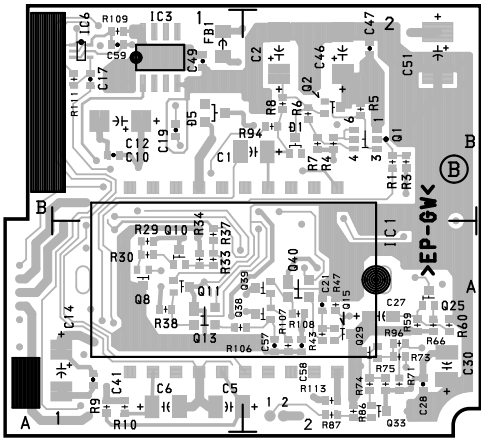
PA-220 (G) -A SIDE-  
1-668-603-11



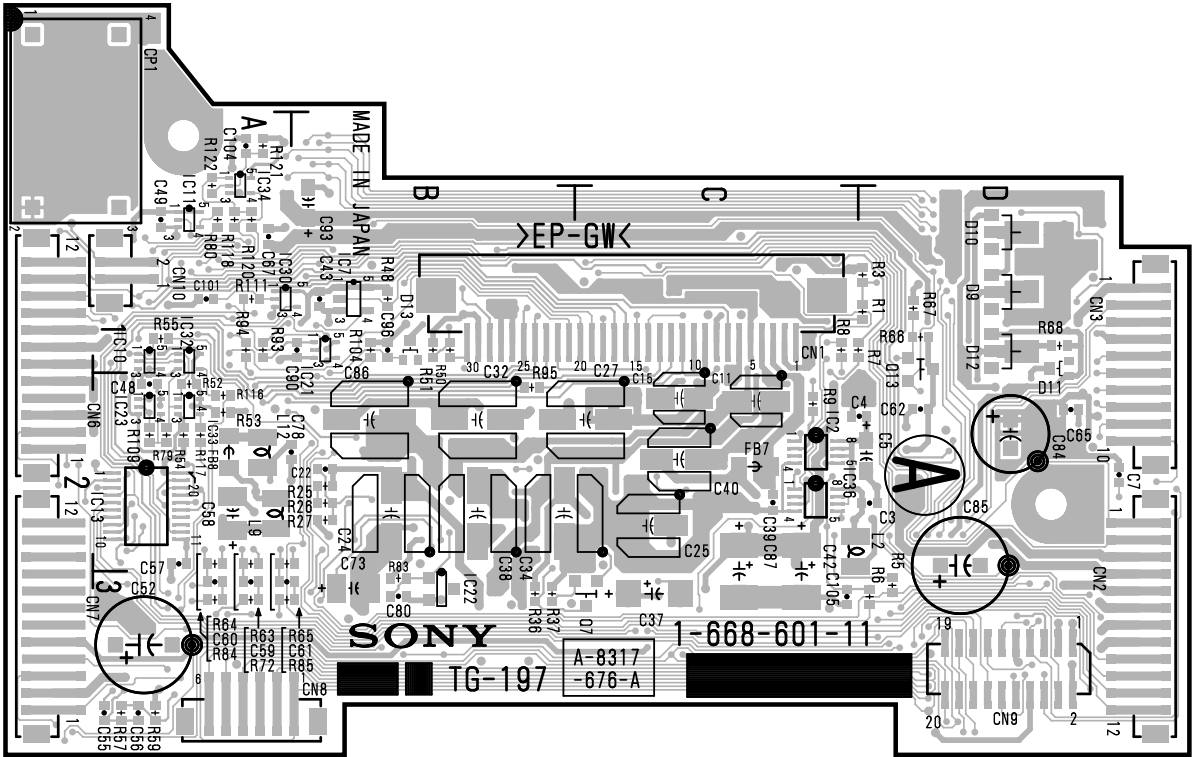
PA-220 (G) -B SIDE-  
1-668-603-11



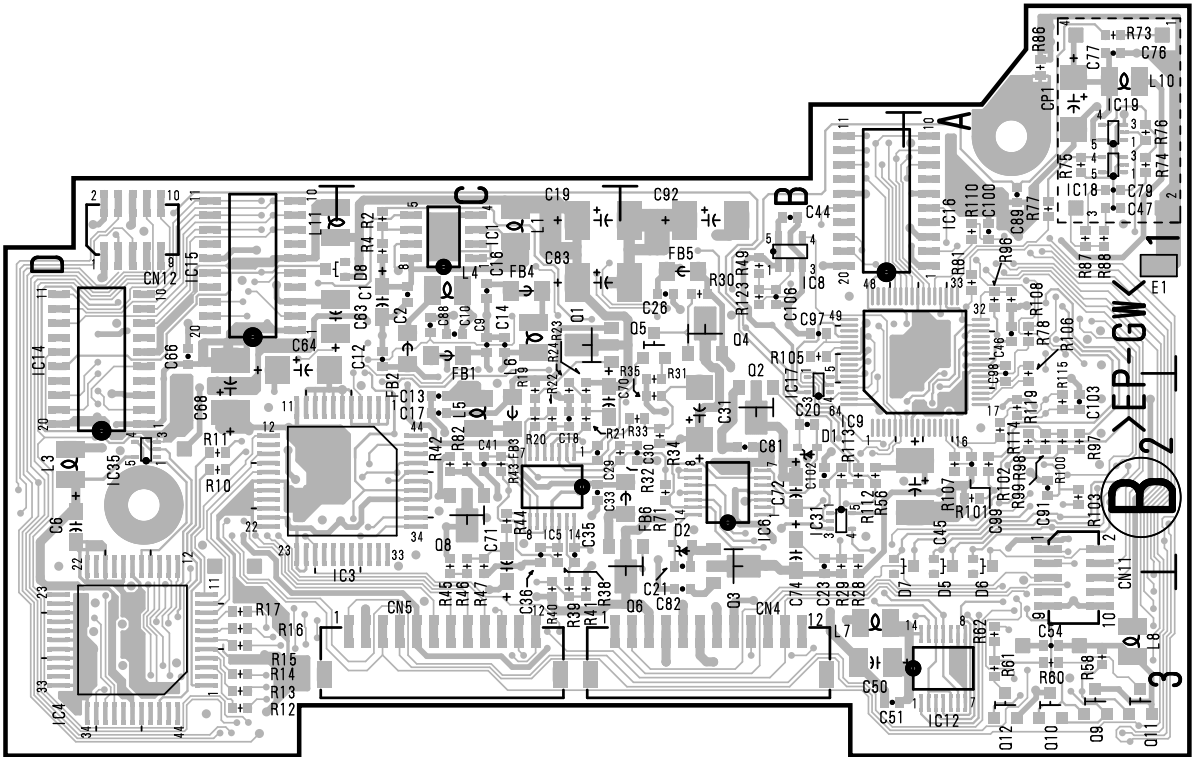
PA-221 (R) -A SIDE-  
1-668-604-11



PA-221 (R) -B SIDE-  
1-668-604-11



TG-197 -A SIDE-  
1-668-601-11



TG-197 -B SIDE-  
1-668-601-11

:: B SIDE

CN1	C1
CN2	D3
CN3	D1
CN4	*B3
CN5	*C3
CN6	A1
CN7	A3
CN8	A3
CN9	D3
CN10	A1
CN11	*A3
CN12	*D1
CP1	A1
D1	*B2
D2	*B2
D5	*A2
D6	*A2
D7	*A2
D8	*D1
D9	D1
D10	D1
D11	D1
D12	D1
E1	*A1
FB1	*C1
FB2	*C1
FB3	*C2
FB4	*C1
FB5	*C1
FB6	*B2
FB7	C2
FB8	A2
IC1	*C1
IC2	C2
IC3	*C2
IC4	*D3
IC5	*C2
IC6	*B2
IC7	B1
IC8	*B1
IC9	*A1
IC10	A1
IC11	A1
IC12	*A3
IC13	A2
IC14	*D1
IC15	*D1
IC16	*B1
IC17	*B2
IC18	*A1
IC19	*A1
IC21	B1
IC22	B3
IC23	A2
IC30	A1
IC31	*B2
IC32	A1
IC33	A2
IC34	A1
IC35	*D2
IC36	C2
L1	*C1
L2	C2
L3	*D2
L4	*C1
L5	*C2
L6	*C1
L7	*B3
L8	*A3
L9	A2
L10	*A1
L11	*D1
L12	A2
Q1	*C1
Q2	*B2
Q3	*B2
Q4	*B1
Q5	*B1
Q6	*B2
Q7	C3
Q8	*C2
Q9	*A3
Q10	*A3
Q11	*A3
Q12	*A3
Q13	D1



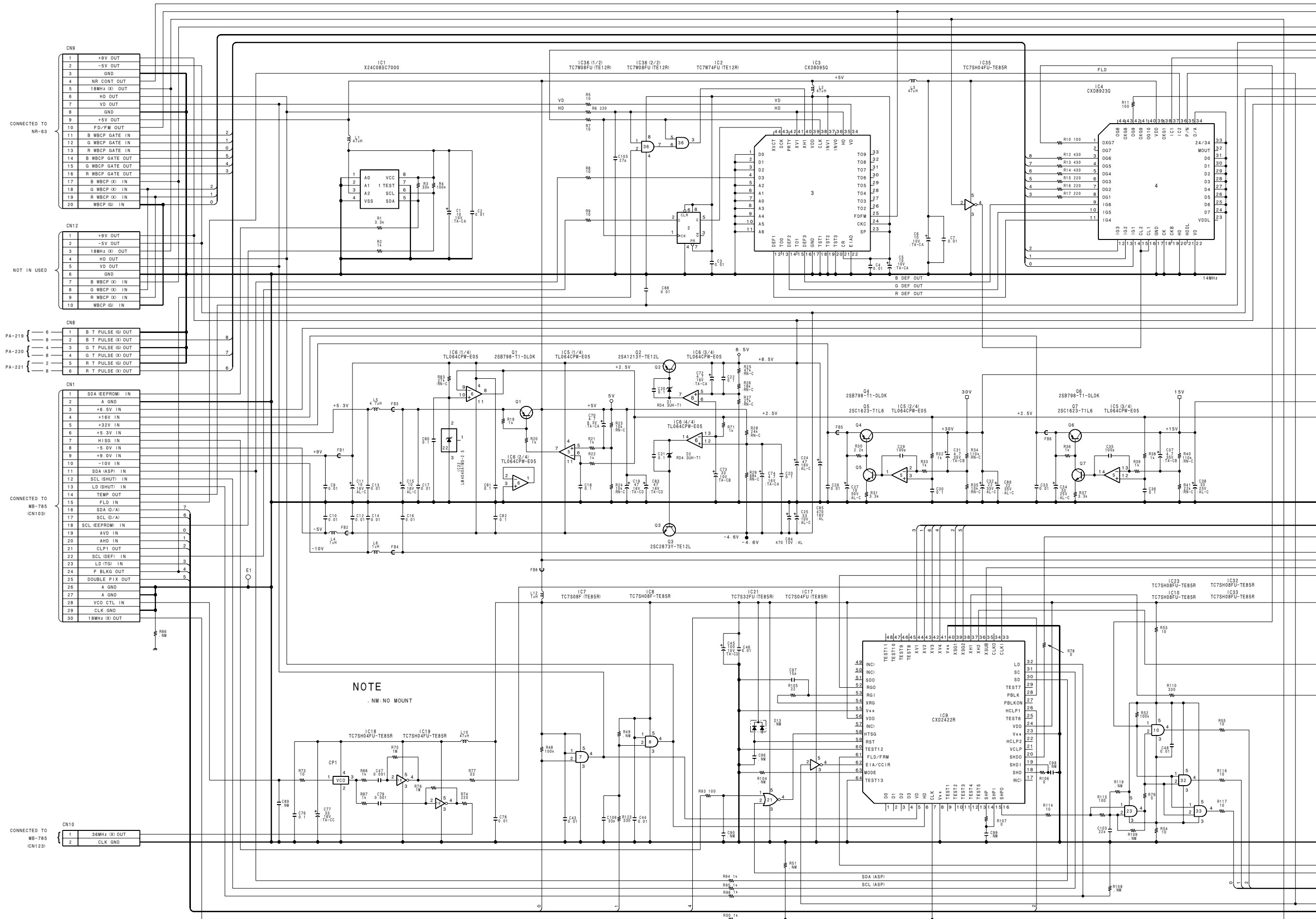
H

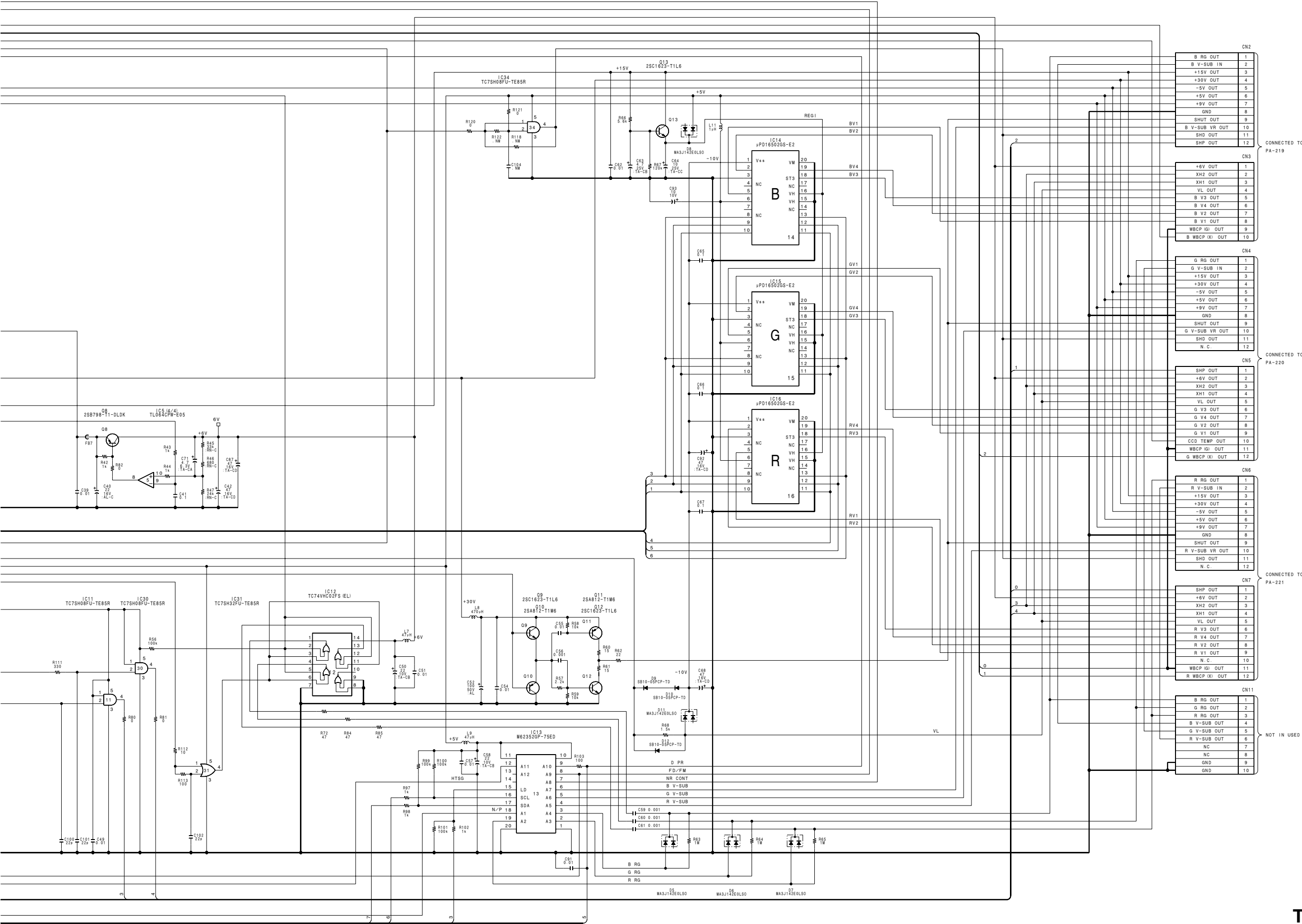
**2**

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4

**5**





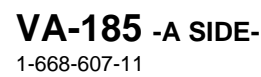
1

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3

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5



CN1	A3
D1	*A1
D4	*A5
D5	*A5
D101	C3
D102	*C3
D201	B3
D202	*B3
D301	D3
D302	*D3
FL101	C1
FL201	B1
FL301	D1

IC1	*A3
IC2	*A4
IC3	*A2
IC4	A1
IC5	B1
IC7	A3
IC10	*A2
IC11	*A3
IC12	*A4
IC13	*A5
IC14	A6
IC15	A6
IC16	*A2
IC17	*B5
IC101	C2
IC102	C2
IC103	C2
IC105	C3
IC106	*C5
IC107	C4
IC108	C6
IC201	B2
IC202	B2
IC203	B2
IC205	B3
IC206	*B5
IC207	B4
IC208	B6
IC301	D2
IC302	D2

IC305	D3
IC306	*D5
IC307	D4
IC308	D6
L1	*A6
L101	C1
L102	C1
L103	C6
L104	C6
L201	B1
L202	B1
L203	B6
L204	B6
L301	C1
L302	D1
L303	D6
L304	D6

Q1	B1
Q2	A2
Q3	A2
Q4	*B6
Q6	*A5
Q7	*A5
Q8	*B6
Q9	*A5
Q101	C1
Q102	C1
Q103	*C2
Q104	*C2
Q105	*C2
Q106	C2
Q107	*C2
Q108	C2
Q109	*C2
Q110	*C2
Q111	C2
Q112	C2
Q113	*C3
Q114	C3
Q115	C4
Q116	C3
Q117	C4
Q118	C4
Q119	*C4
Q120	C4



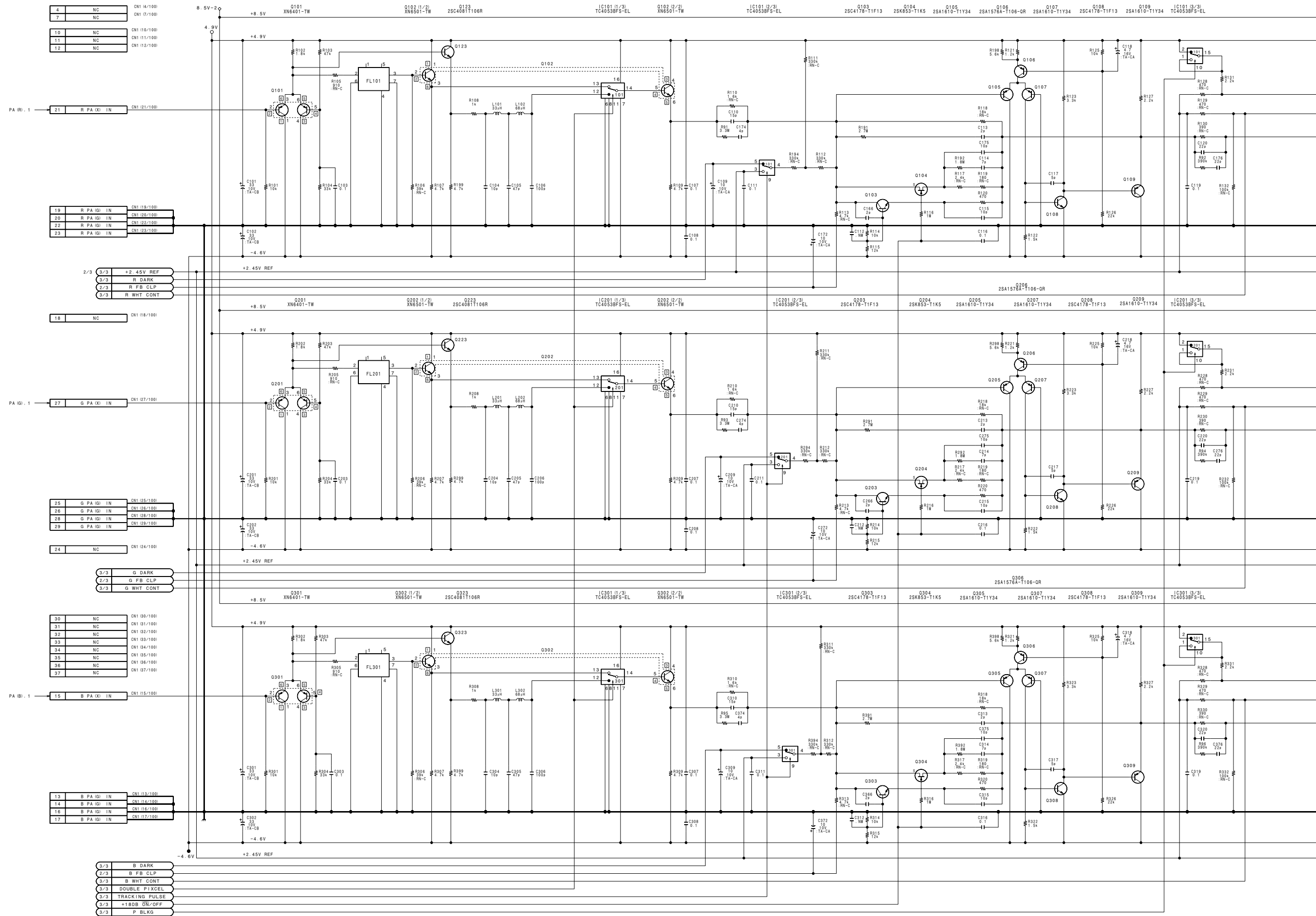
1

2

3

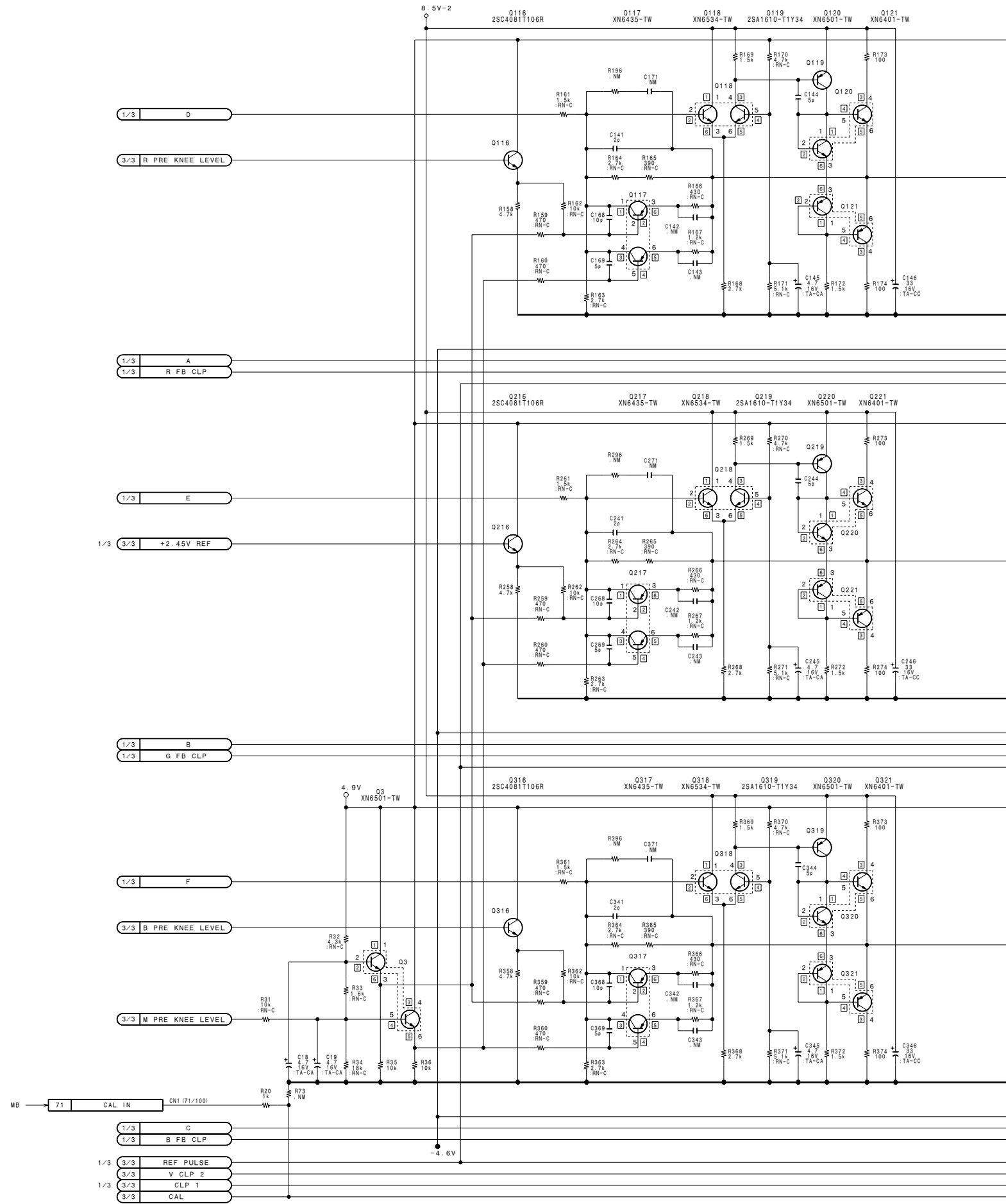
4

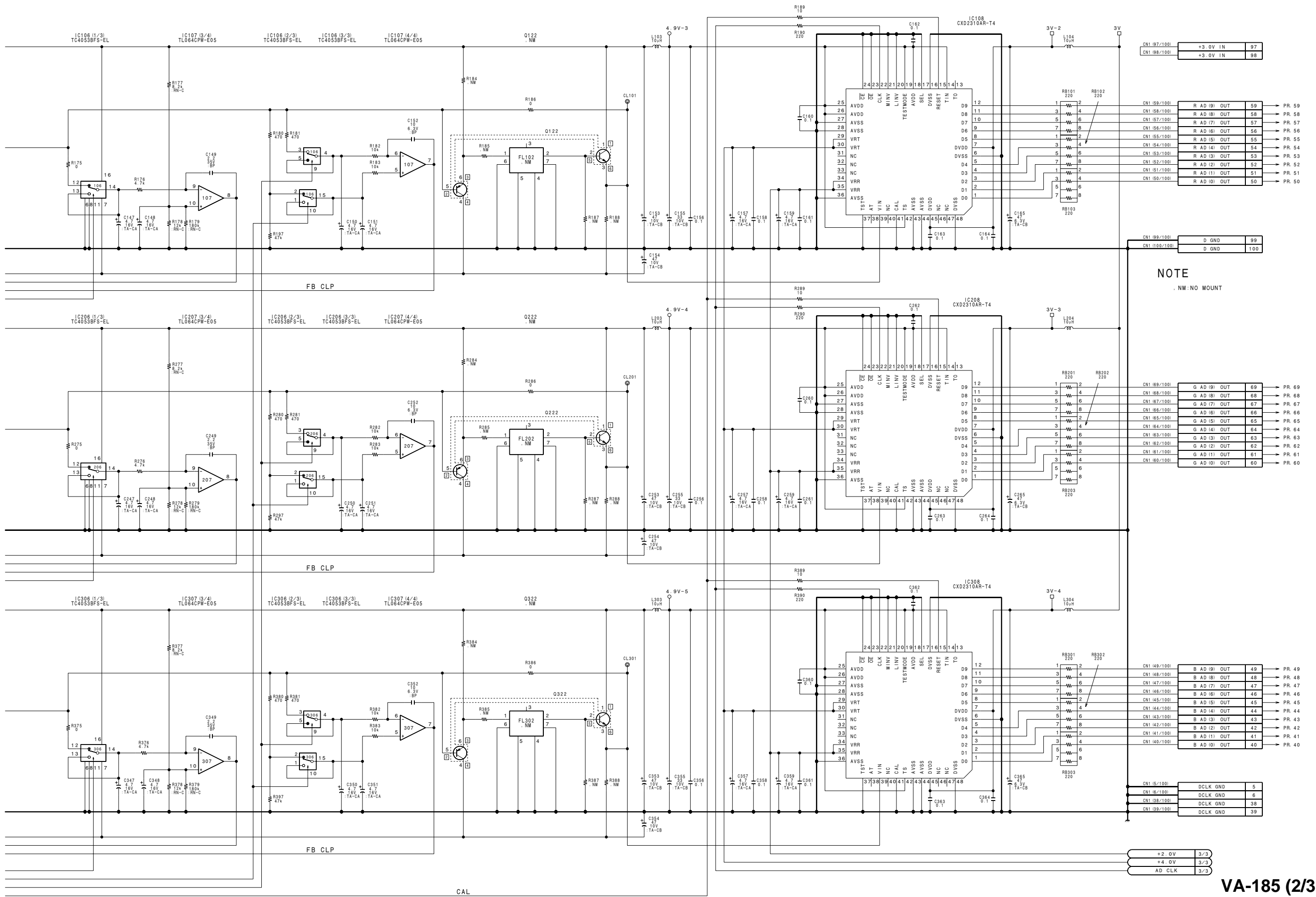
5











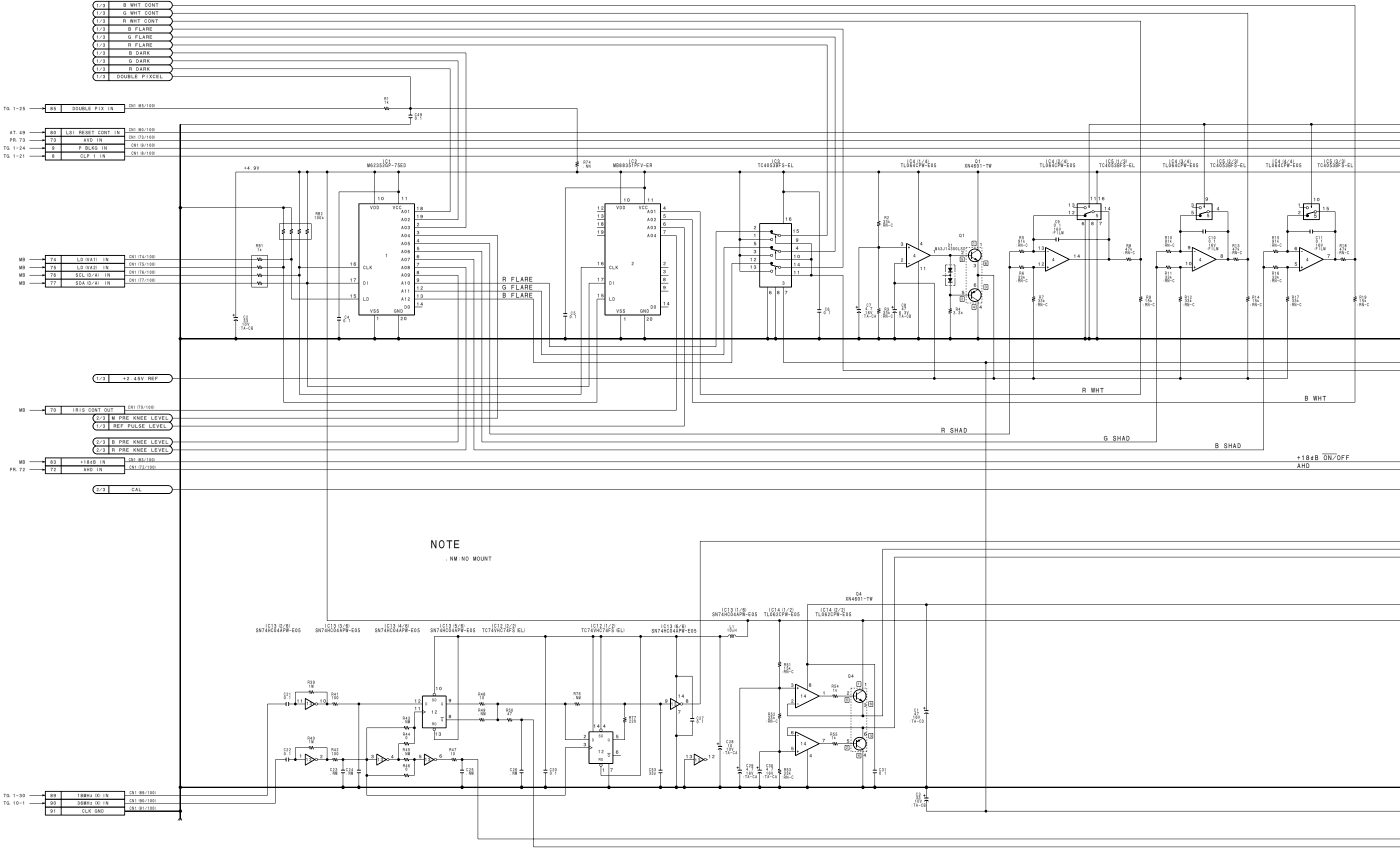
1

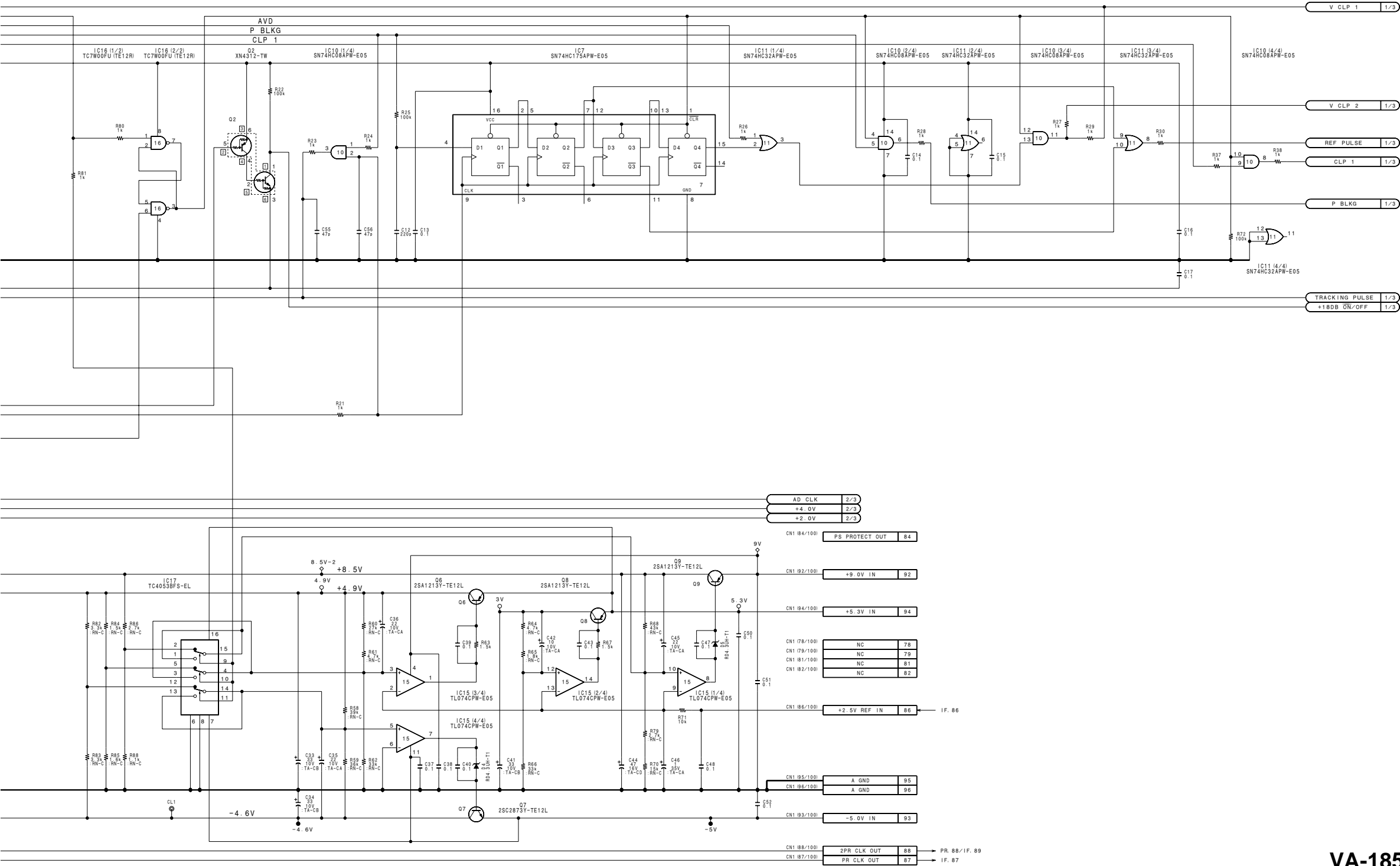
2

3

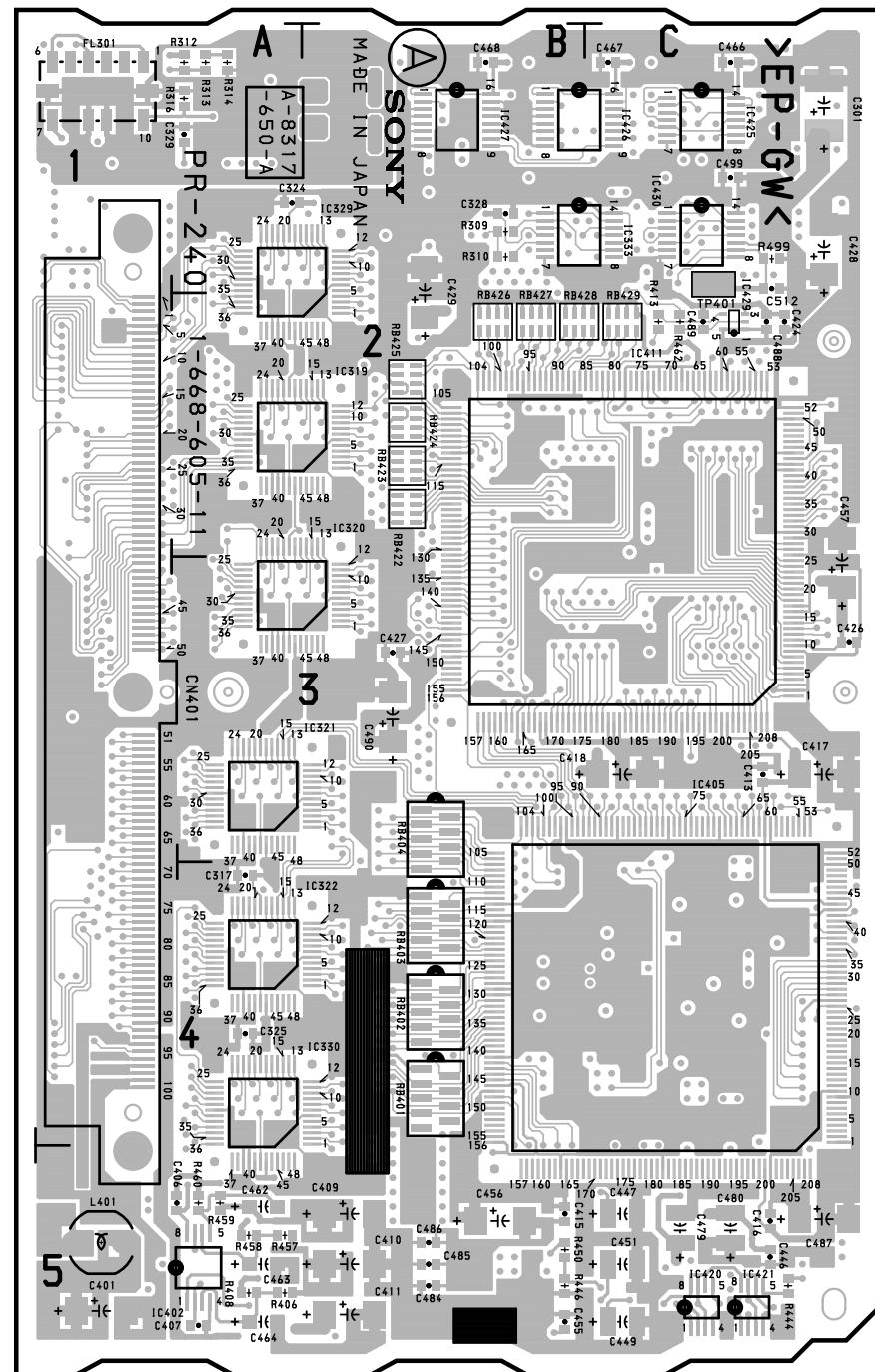
4

5

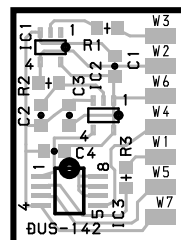




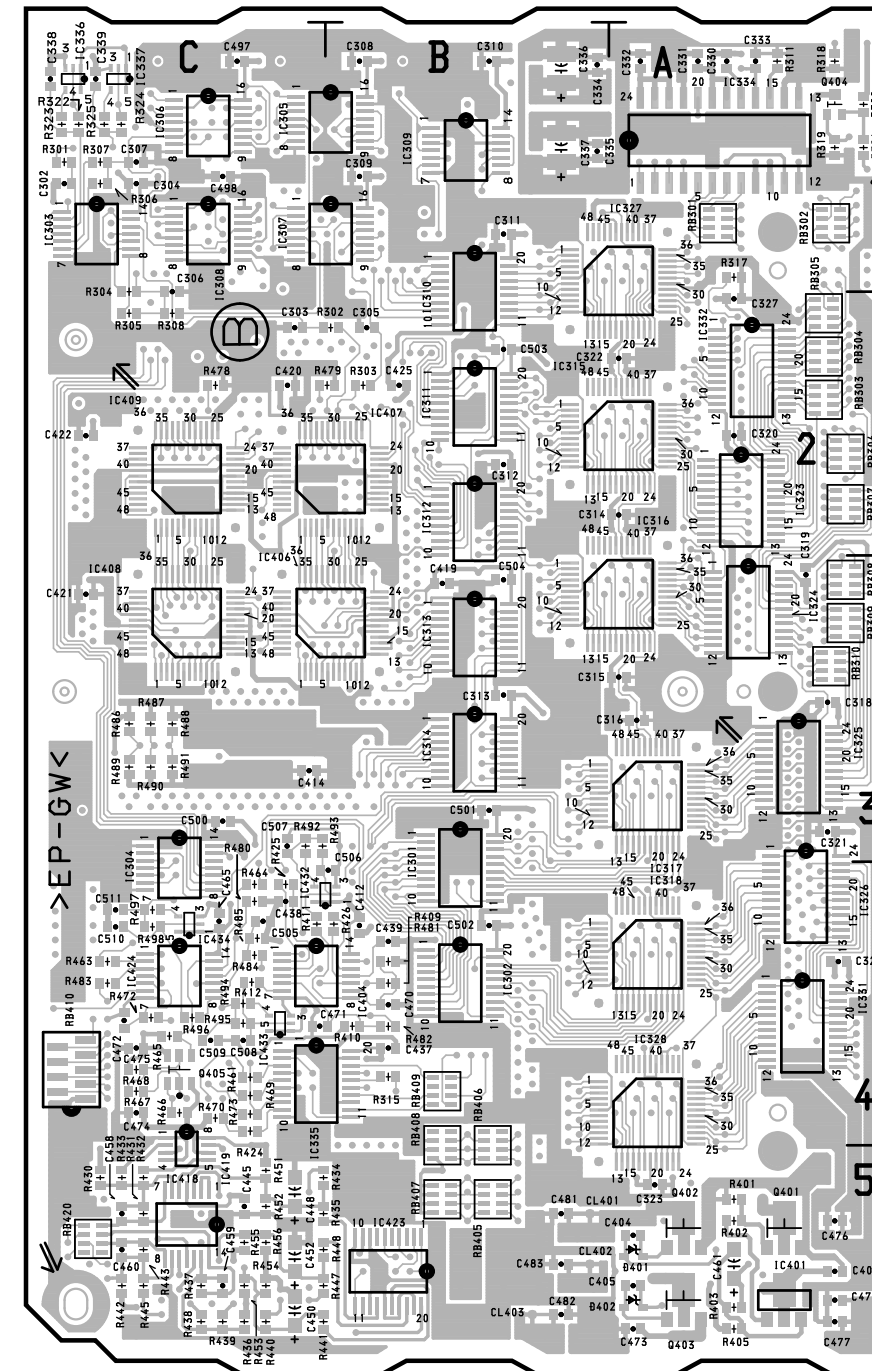
VA-185 (3/3)  
B-DXCD30WS-VA185/M



**PR-240 -A SIDE-**  
1-668-605-11



**DUS-142**



**PR-240 -B SIDE-**  
1-668-605-11

\*: B SIDE

CN401	A3	RB424
		RB425
D401	*A5	RB426
D402	*A5	RB427
		RB428
FL301	A1	RB429

IC301	*B4	TP401
IC302	*B4	
IC303	*C1	
IC304	*C4	
IC305	*B1	
IC306	*C1	
IC307	*B1	
IC308	*C1	
IC309	*B1	
IC310	*B1	
IC311	*B2	
IC312	*B2	
IC313	*B3	
IC314	*B3	
IC315	*A2	
IC316	*A3	
IC317	*A3	
IC318	*A4	
IC319	A2	
IC320	A3	
IC321	A3	
IC322	A4	
IC323	*A2	
IC324	*A3	
IC325	*A3	
IC326	*A4	
IC327	*A1	
IC328	*A4	
IC329	A1	
IC330	A4	
IC331	*A4	
IC332	*A2	
IC333	B1	
IC334	*A1	
IC335	*C4	
IC337	*C1	
IC401	*A5	
IC402	A5	
IC404	*C4	
IC405	C4	
IC406	*B3	
IC407	*B2	
IC408	*C3	
IC409	*C2	
IC411	C2	
IC418	*C5	
IC423	*B5	
IC424	*C4	
IC425	C1	
IC426	B1	
IC427	B1	
IC429	C2	
IC430	C1	
IC432	*B4	
IC433	*C4	

L401	A5
Q401	*A5
Q402	*A5
Q403	*A5
Q404	*A1
Q405	*C4

RB301	*A1
RB302	*A1
RB303	*A2
RB304	*A2
RB305	*A2
RB306	*A2
RB307	*A2
RB308	*A3
RB309	*A3
RB310	*A3
RB401	B4
RB402	B4
RB403	B4
RB404	B3
RB405	*B5
RB406	*B4
RB407	*B5
RB408	*B4
RB409	*B4
RB410	*C4
RB420	*C5
RB422	B2
RB423	B2

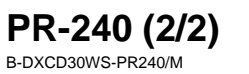


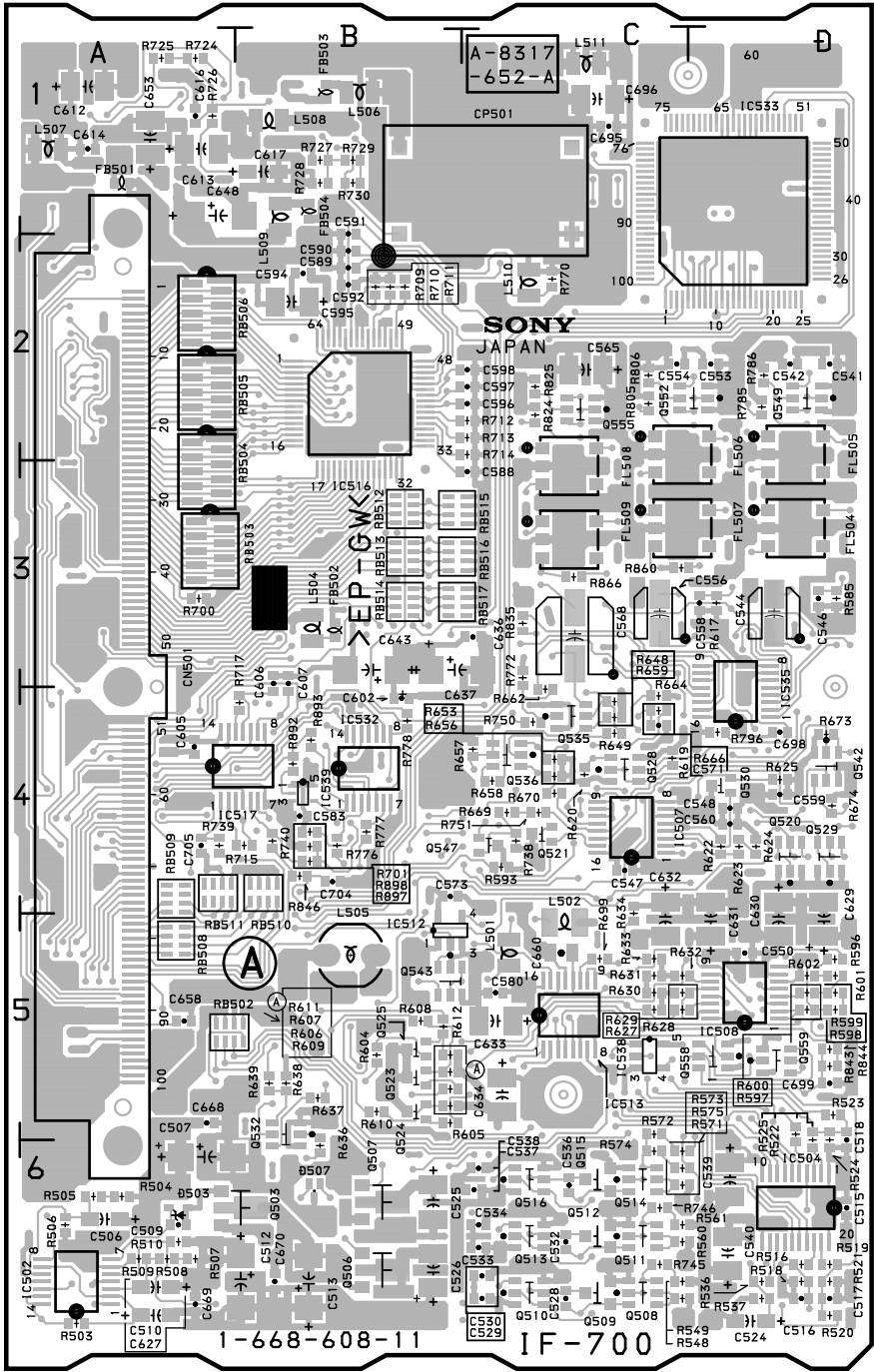




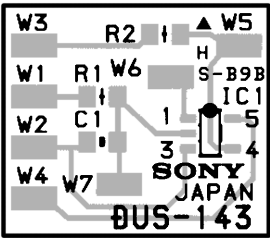




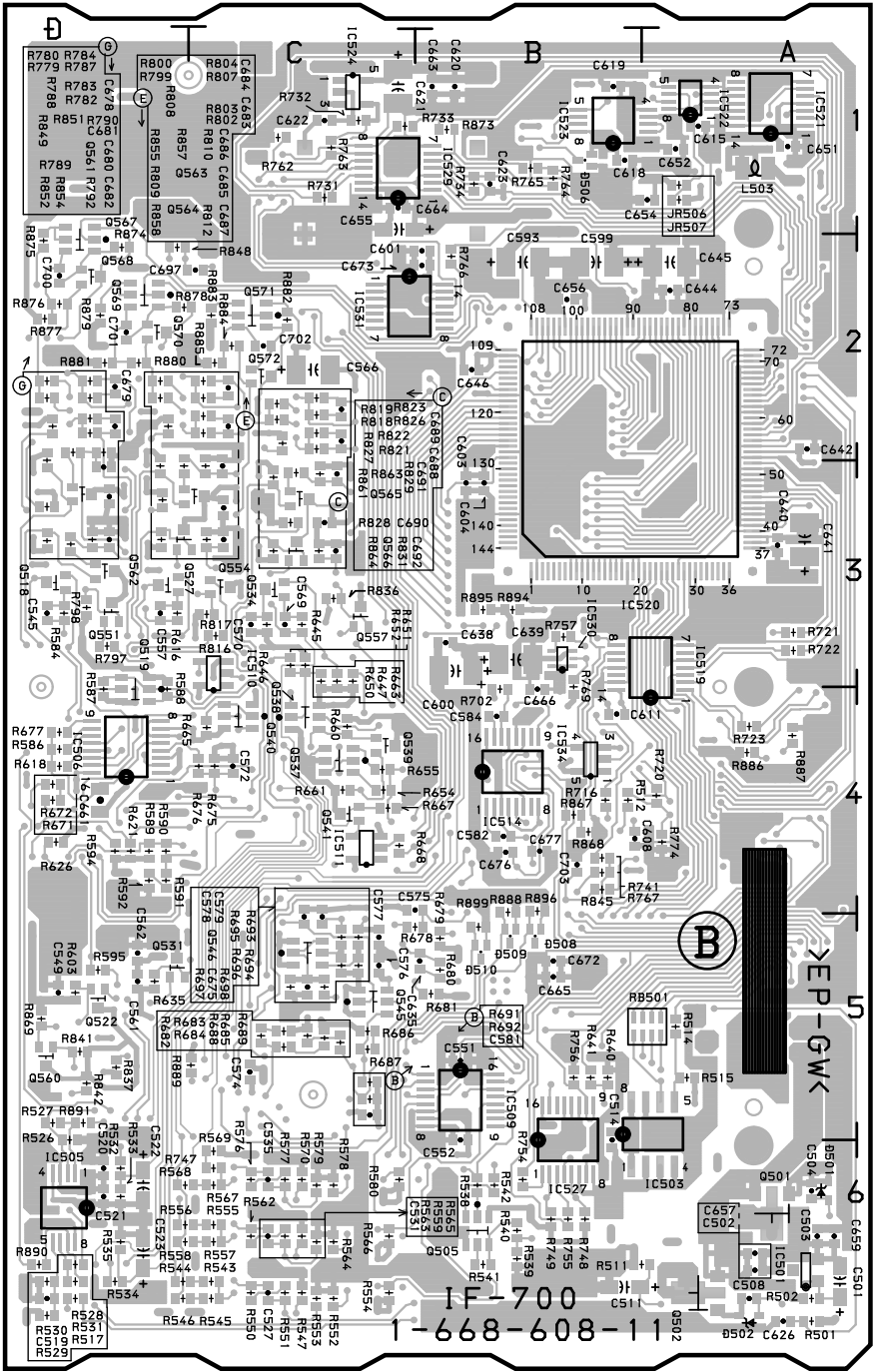




IF-700 -A SIDE-  
1-668-608-11



DUS-143



IF-700 -B SIDE-  
1-668-608-11

\*: B SIDE

CP501	B1	Q528	C4
D501	*A6	Q529	D4
D502	*A6	Q530	D4
D503	A6	Q531	*D5
D506	*B1	Q532	B5
D507	B6	Q534	*C3
D508	*B5	Q535	C4
D509	*B5	Q536	C4
D510	*B5	Q537	*C4
FB501	A1	Q538	*C4
FB502	B3	Q539	*C4
FB503	B1	Q540	*C4
FB504	B1	Q541	*C4
FL504	D3	Q542	D4
FL505	D2	Q543	B5
FL506	C2	Q545	*C5
FL507	C3	Q546	*C5
FL508	C3	Q547	C4
FL509	C3	Q549	D2
IC501	*A6	Q551	*D3
IC502	A6	Q552	D2
IC503	*A5	Q554	*C3
IC504	D6	Q555	C2
IC505	*D6	Q557	*C3
IC506	*D4	Q558	D5
IC507	C4	Q559	D5
IC508	D5	Q560	*D5
IC509	*B5	Q561	*D3
IC510	*C3	Q562	*D3
IC511	*C4	Q563	*C3
IC512	B5	Q564	*D3
IC513	C5	Q565	*C3
IC514	*B4	Q566	*C3
IC516	B2	Q567	*D2
IC517	B4	Q568	*D2
IC519	*A3	Q570	*D2
IC520	*B2	Q571	*C2
IC521	*A1	Q572	*C2
IC522	*A1	RB501	*A5
IC523	*B1	RB502	A5
IC524	*C1	RB503	A3
IC527	*B5	RB504	A3
IC529	*C1	RB505	A2
IC530	*B3	RB506	A2
IC531	*C2	RB508	A5
IC532	B4	RB509	A4
IC533	D1	RB510	B4
IC534	*B4	RB511	A4
IC535	D4	RB512	B3
IC538	C5	RB513	B3
JR506	*A1	RB514	B3
L501	C5	RB515	B3
L502	C5	RB516	B3
L503	*A1	RB517	B3
L504	B3		
L505	B5		
L506	B1		
L507	A1		
L508	B1		
L509	B1		
L510	C2		
L511	C1		
Q501	*A6		
Q502	*A6		
Q503	B6		
Q505	*B6		
Q506	B6		
Q507	B6		
Q508	C6		
Q509	C6		
Q510	C6		
Q511	C6		
Q512	C6		
Q513	C6		
Q514	C6		
Q515	C6		
Q516	C6		
Q518	*D3		
Q519	*D4		
Q520	D4		
Q521	C4		
Q522	*D5		
Q523	B5		
Q524	B5		
Q525	B5		
Q527	*D3		



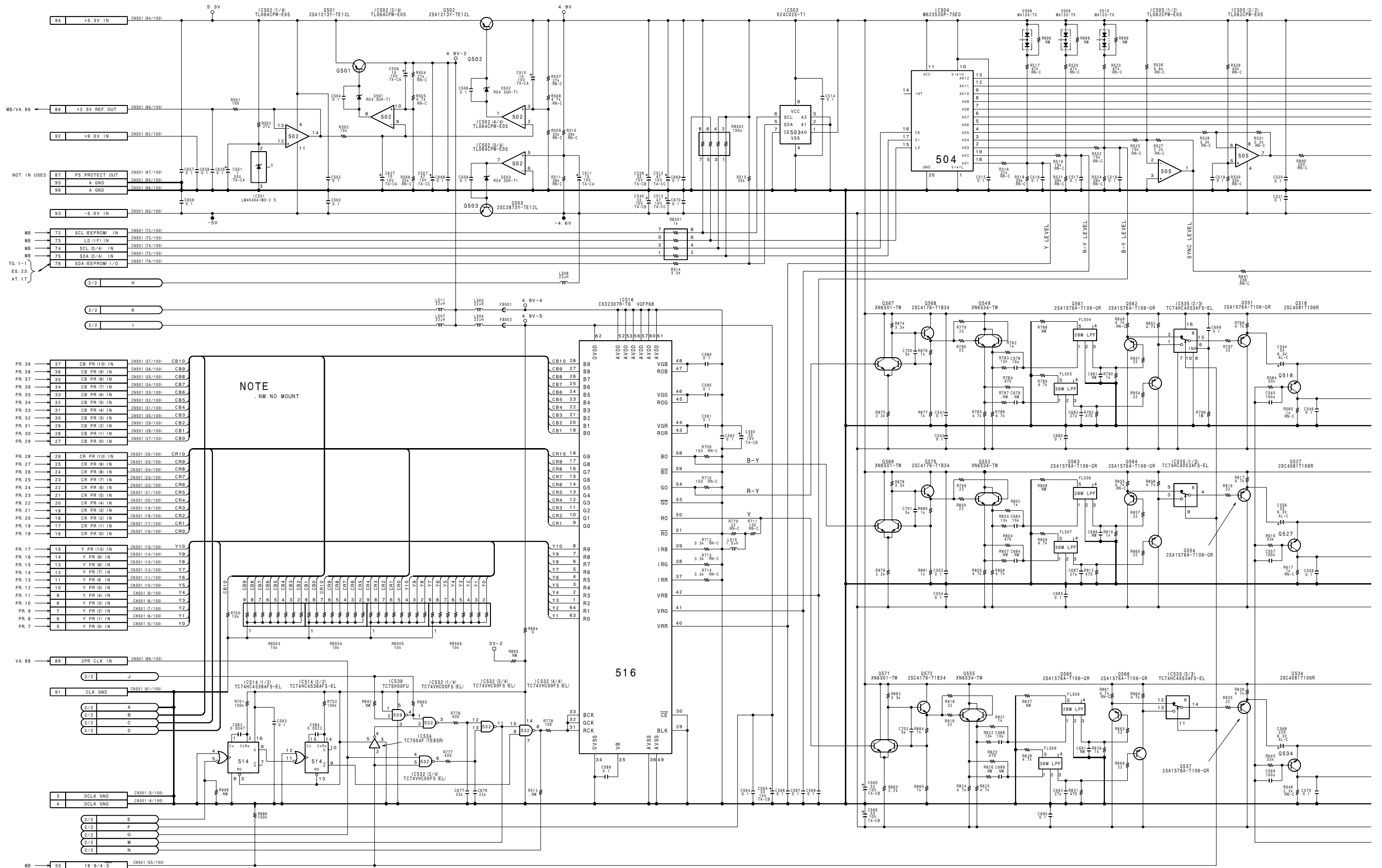
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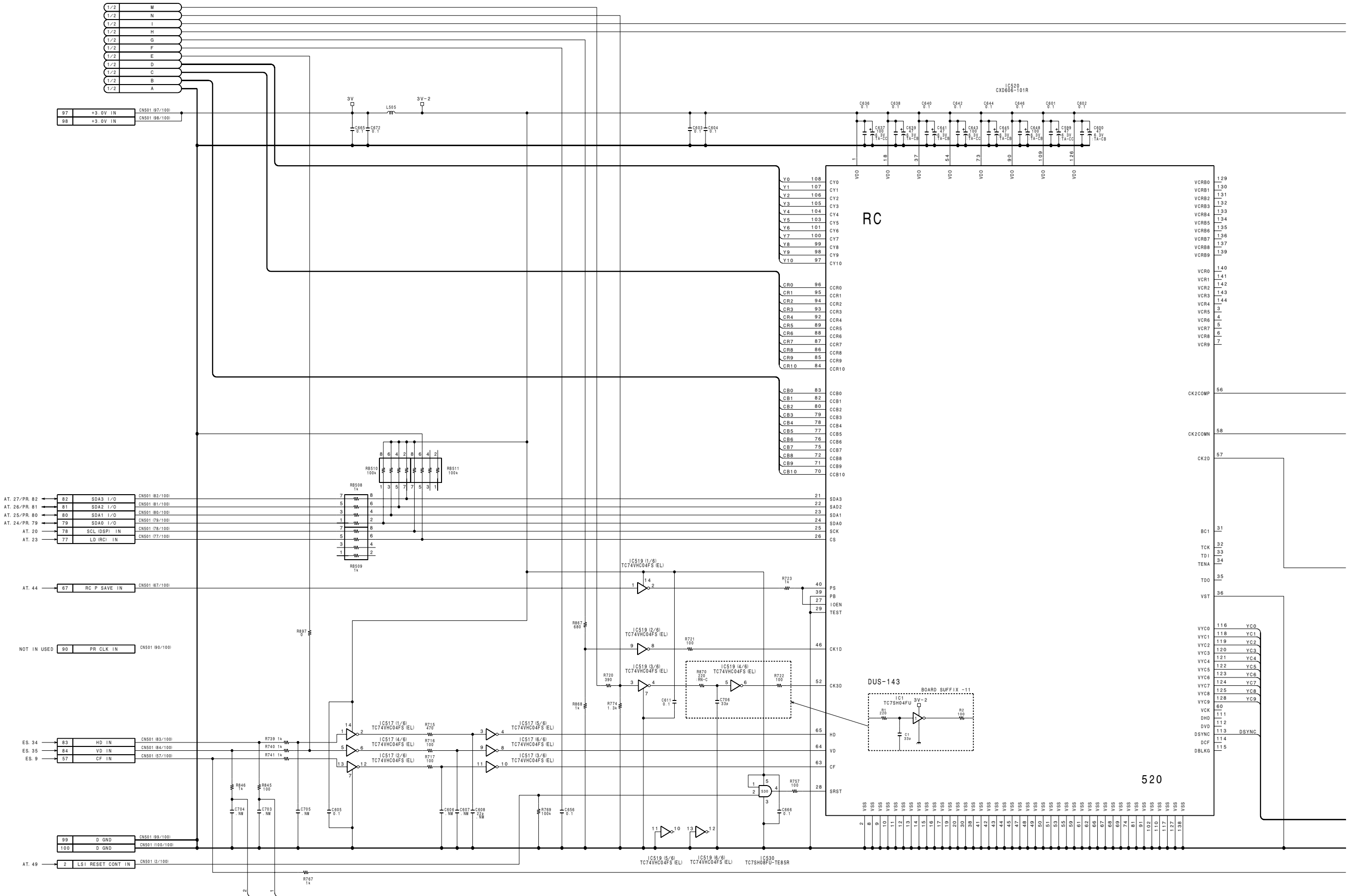
1

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3

4

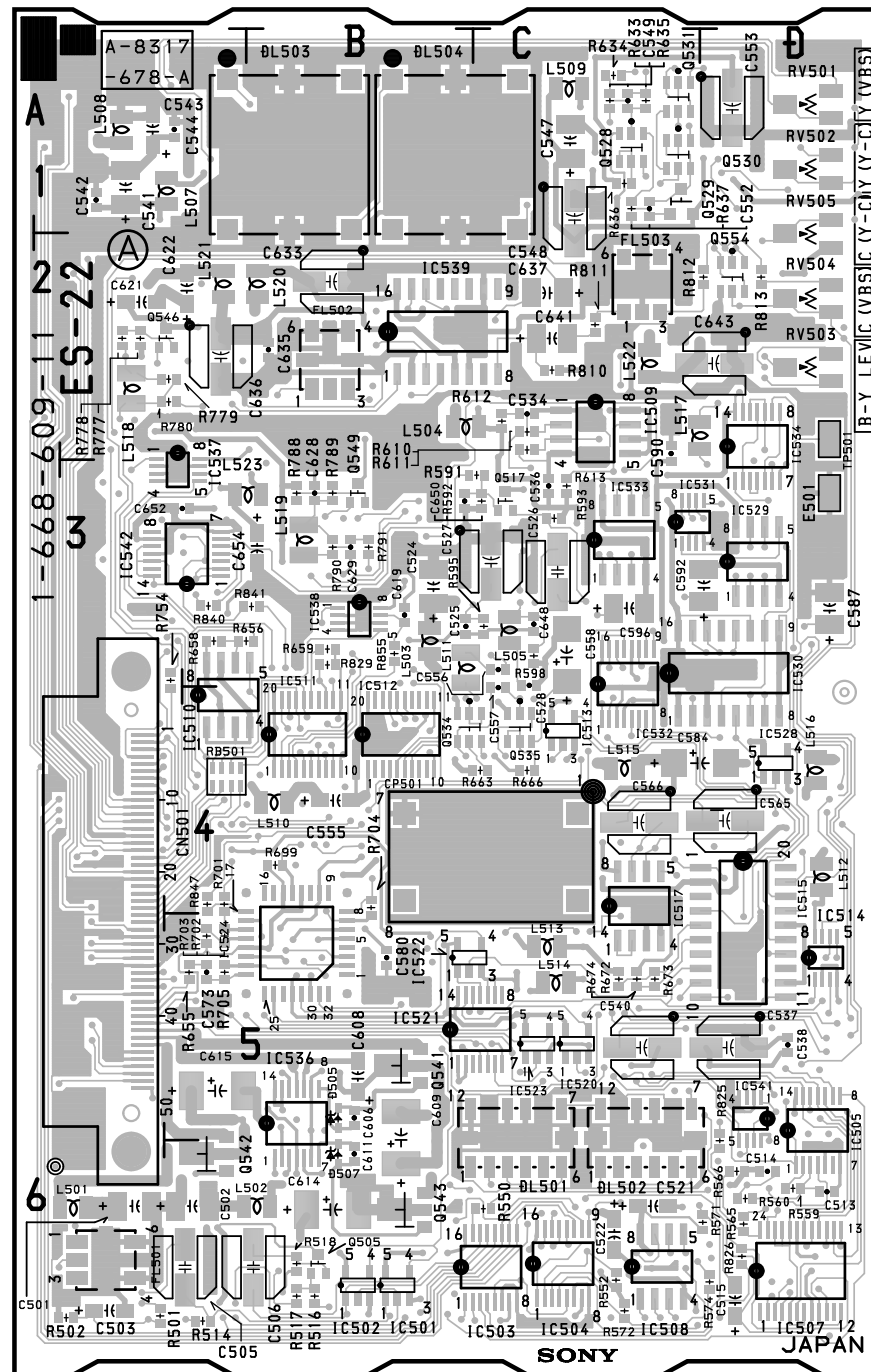
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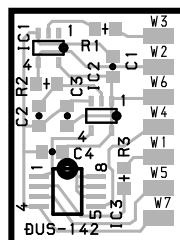


, NM:NO MOUNT

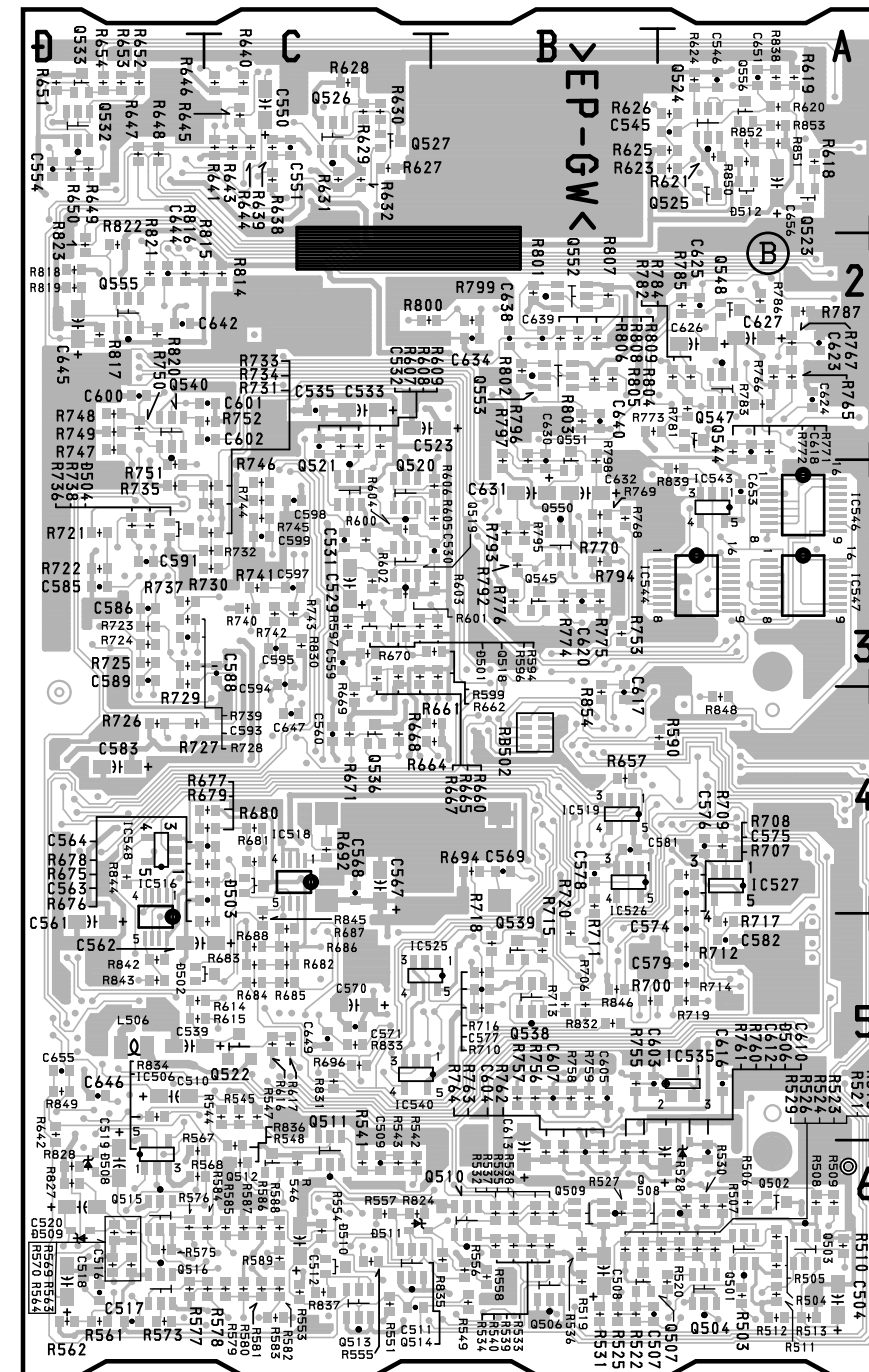




**ES-22 -A SIDE-**  
1-668-609-11



**DUS-142**



**ES-22 -B SIDE-**  
1-668-609-11

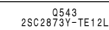
*: B SIDE			
CN501	A4	L520	B2
		L521	A2
CP501	C4	L522	C2
		L523	B3
DL501	C5		
DL502	C5	Q501	*A6
DL503	B1	Q502	*A6
DL504	B1	Q503	*A6
		Q504	*A6
D501	*C3	Q505	B6
D502	*C5	Q506	*B6
D503	*C4	Q507	*B6
D504	*D3	Q508	*B6
D505	B5	Q509	*B6
D506	*A6	Q510	*B6
D507	B6	Q511	*C6
D508	*D6	Q512	*C6
D510	*C6	Q513	*C6
D511	*C6	Q514	*C6
D512	*A1	Q515	*D6
		Q516	*D6
E501	D3	Q517	C3
		Q518	*C3
FL501	A6	Q519	*C3
FL502	B2	Q520	*C3
FL503	C2	Q521	*C3
		Q522	*C5
IC501	B6	Q523	*A1
IC502	B6	Q524	*A1
IC503	C6	Q525	*A1
IC504	C6	Q526	*C1
IC505	D5	Q527	*C1
IC506	*D6	Q528	C1
IC507	D6	Q529	C1
IC508	C6	Q530	C1
IC509	C2	Q531	C1
IC510	A4	Q532	*D1
IC511	B4	Q533	*D1
IC512	B4	Q534	B4
IC513	C4	Q535	C4
IC514	D5	Q536	*C4
IC515	D5	Q538	*B5
IC516	*D5	Q539	*B5
IC517	C4	Q540	*D2
IC518	*C4	Q541	B5
IC519	*B4	Q542	A6
IC520	C5	Q543	B6
IC521	C5	Q544	*A2
IC522	B5	Q545	*B3
IC523	C5	Q546	A2
IC524	B5	Q547	*A2
IC525	*C5	Q548	*A2
IC526	*B4	Q549	B3
IC527	*A4	Q550	*B3
IC528	D4	Q551	*B3
IC529	D3	Q552	*B2
IC530	D3	Q553	*B2
IC531	C3	Q554	D2
IC532	C3	Q555	*D2
IC533	C3	Q556	*A1
IC534	D2		
IC535	*A5	RB501	A4
IC536	B5	RB502	*B4
IC537	A3		
IC538	B3	RV501	D1
IC539	B2	RV502	D1
IC540	*C5	RV503	D2
IC541	D5	RV504	D2
IC542	A3	RV505	D2
IC543	*A3		
IC544	*A3	TP501	D2
IC546	*A3		
IC547	*A3		
IC548	*D4		
L501	A6		
L502	B6		
L503	B3		
L504	B2		
L505	C3		
L506	*D5		
L507	A1		
L508	A1		
L509	C1		
L510	B4		
L511	B3		
L512	D4		
L513	C5		
L514	C5		
L515	C4		
L516	D4		
L517	D2		
L518	A2		
L519	B3		



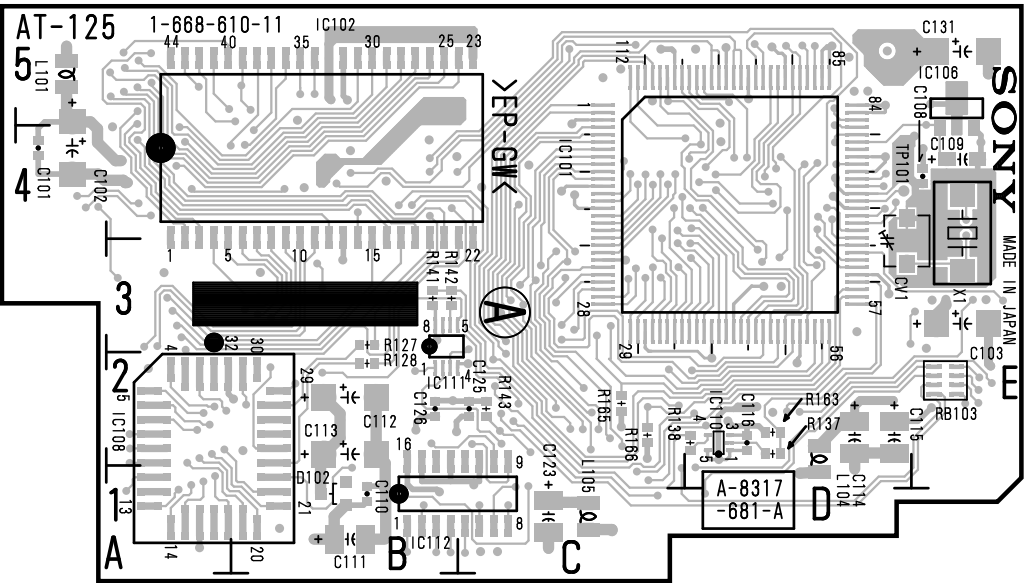




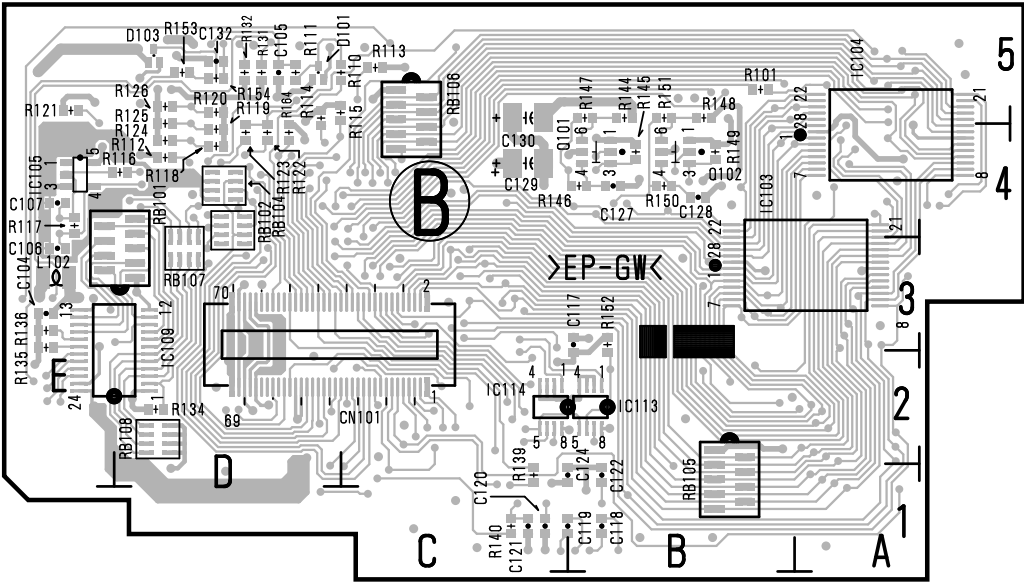
I	J	K	L	M	N	O	P
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AT-125 -A SIDE-  
1-668-610-11



AT-125 -B SIDE-  
1-668-610-11

\*: B SIDE

CNI102 B4  
CNI101 \*D3

CV1 D3

D101 \*D5  
D102 B1  
D103 \*D5

IC101 D4  
IC102 B4  
IC103 \*A3  
IC104 \*A4  
IC106 E5  
IC108 A2  
IC109 \*D2  
IC110 D2  
IC111 B3  
IC112 B1  
IC113 \*B2  
IC114 \*C2

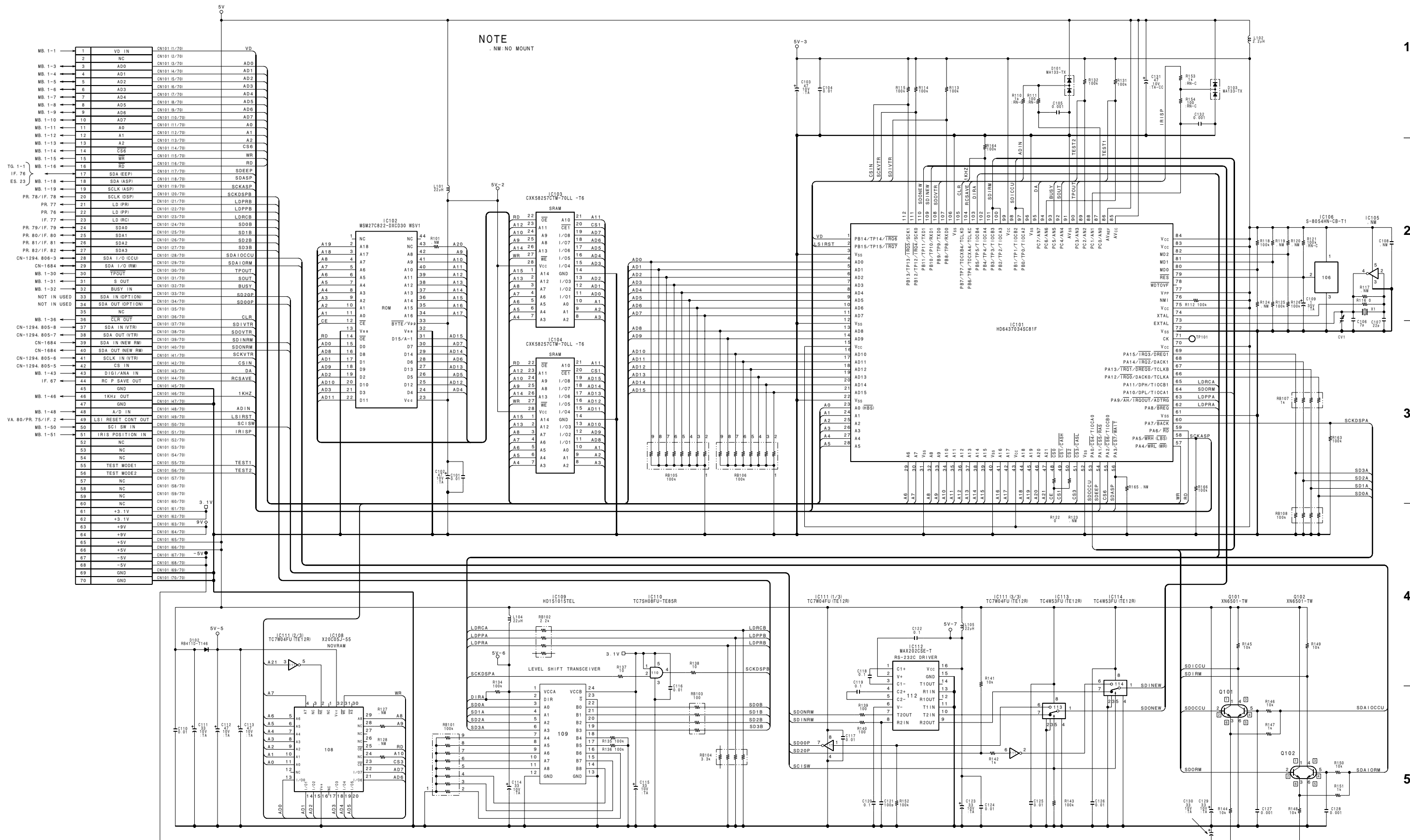
L101 A5  
L102 \*E3  
L104 D2  
L105 C1

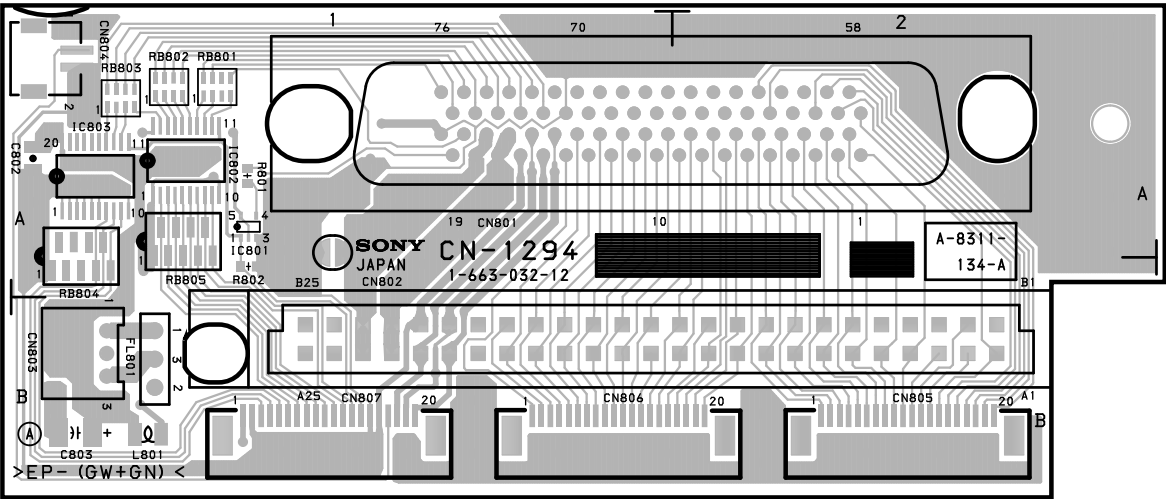
Q101 \*B4  
Q102 \*B4

RB101 \*D3  
RB102 \*D4  
RB103 E2  
RB104 \*D4  
RB105 \*B1  
RB106 \*C5  
RB107 \*D3  
RB108 \*D2

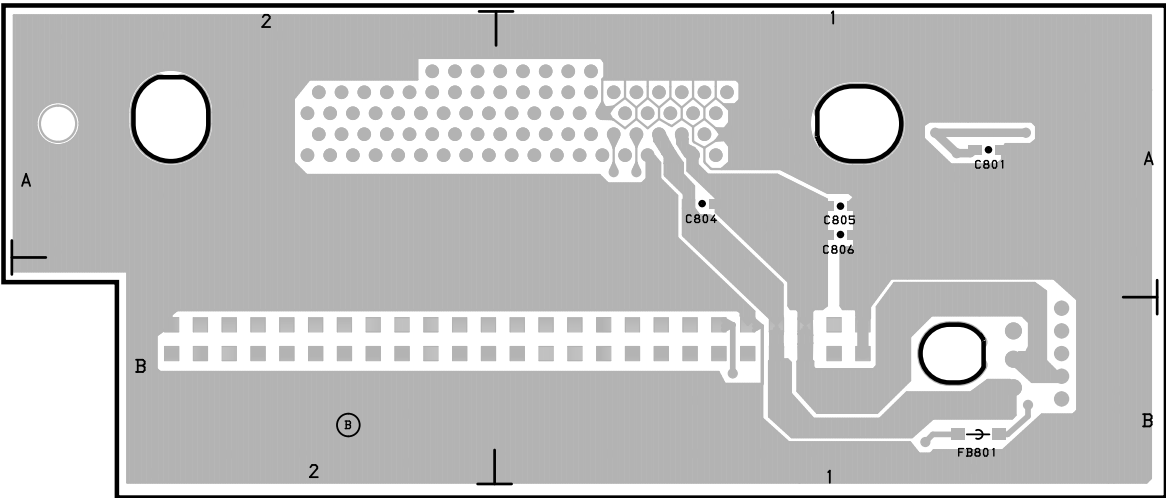
X1 E4



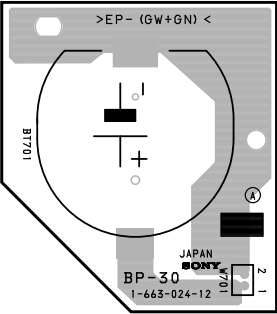




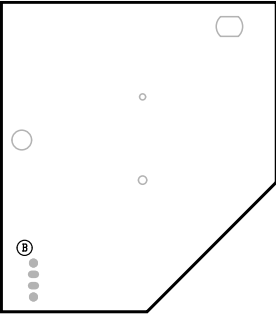
CN-1294 -A SIDE-  
1-663-032-12



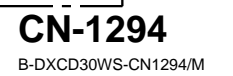
CN-1294 -B SIDE-  
1-663-032-12

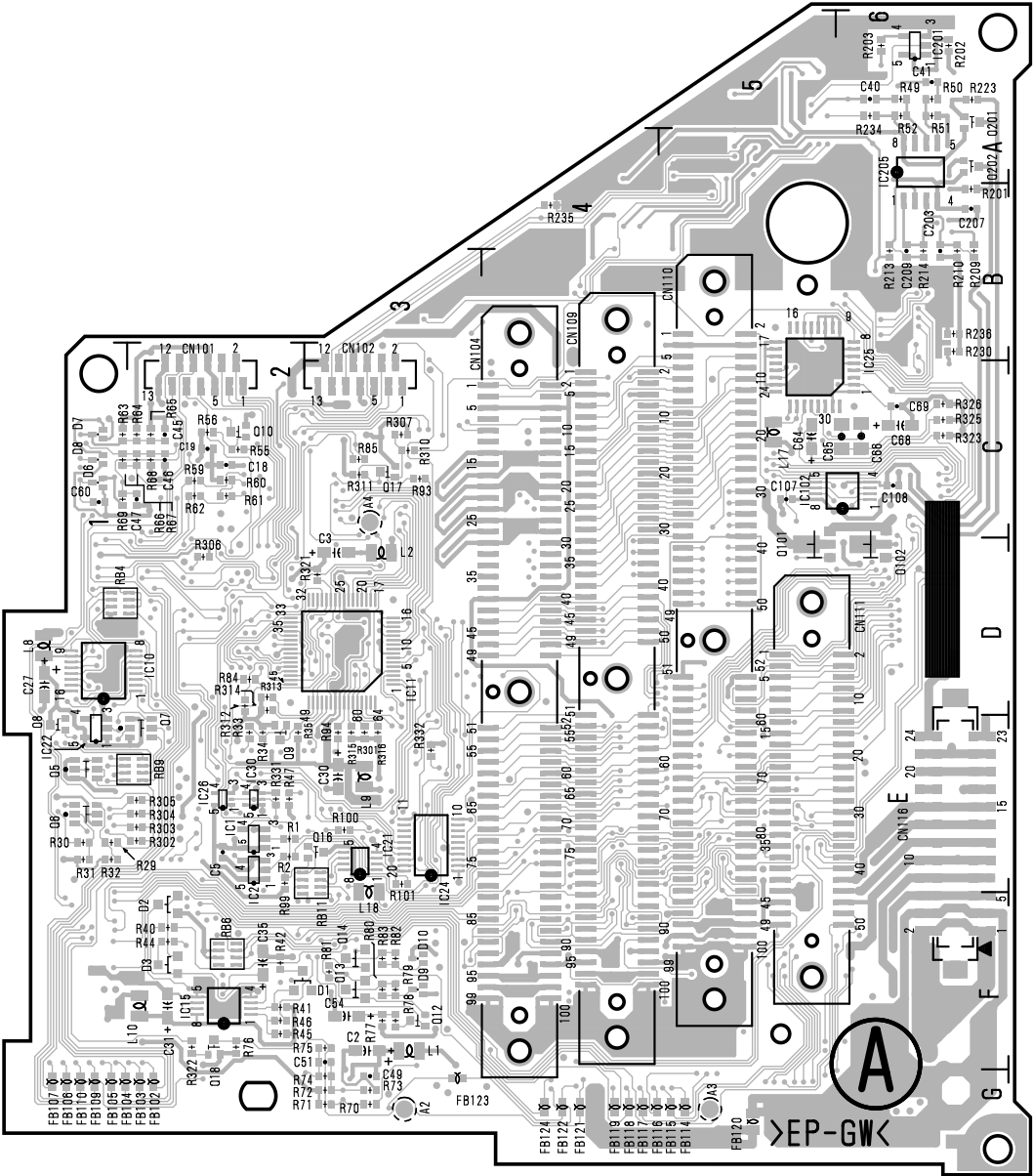


BP-30 -A SIDE-  
1-663-024-12



BP-30 -B SIDE-  
1-663-024-12

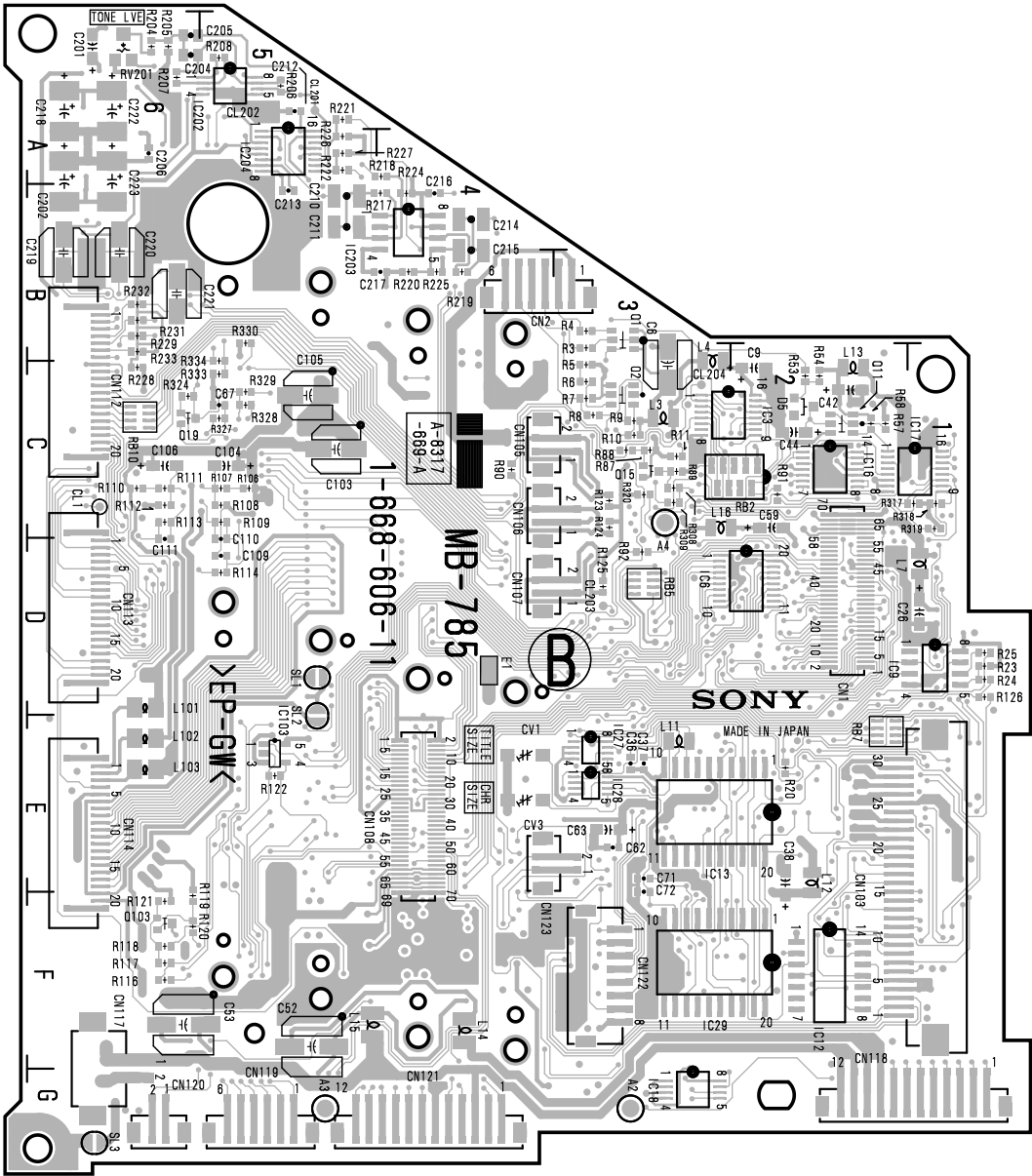




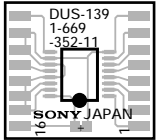
MB-785 -A SIDE-  
1-668-606-12

\*: B SIDE

CN1	*D2	CV1	*E4	FB115	G5	IC21	E3	L11	*E3	Q15	*C3
CN2	*B4	CV3	*E4	FB116	G4	IC22	E1	L12	*E2	Q16	E3
CN101	C2			FB117	G4	IC24	E3	L13	*C2	Q17	C3
CN102	C3	D1	F2	FB118	G4	IC25	C5	L14	*F4	Q18	F2
CN103	*E1	D2	F2	FB119	G4	IC26	E2	L15	*F5	Q19	*C6
CN104	D4	D3	F2	FB120	G5	IC27	*E3	L16	*C3	Q101	D5
CN105	*C4	D5	*C2	FB121	G4	IC28	*E3	L17	C5	Q102	D6
CN106	*C4	D6	C1	FB122	G4	IC29	*F3	L18	E3	Q103	*F6
CN107	*D4	D7	C1	FB123	G3	IC30	E2	L101	*D6	Q201	A6
CN108	*E4	D8	C1	FB124	G4	IC102	C6	L102	*E6	Q202	A6
CN109	D4	D9	F3			IC201	A6	L103	*E6		
CN110	D5	D10	F3	IC1	E2	IC202	*A5	Q1	*B3	RB2	*C2
CN111	E5			IC2	E2	IC203	*B4	Q2	*C3	RB4	D1
CN112	*C6	E1	*D4	IC3	*C3	IC204	*A5	Q5	E1	RB5	*D3
CN113	*D6			IC6	*D2	IC205	A6	Q6	E1	RB6	F2
CN114	*E6	FB102	G2	IC9	*D1			Q7	E2	RB7	*E2
CN116	E6	FB103	G2	IC10	D1	L1	F3	Q8	E1	RB9	E2
CN117	*F6	FB104	G1	IC11	D3	L2	D3	Q9	E2	RB10	*C6
CN118	*G1	FB105	G1	IC12	*F2	L3	*C3	Q10	C2	RB11	E3
CN119	G5	FB106	G1	IC13	*E3	L4	*C3	Q11	*C2		
CN120	*G6	FB107	G1	IC15	F2	L7	*D1	Q12	F3		
CN121	*G4	FB109	G1	IC16	*C2	L8	D1	Q13	F3		
CN122	*F3	FB110	G1	IC17	*C1	L9	E3	Q14	F3		
CN123	*E4	FB114	G5	IC18	*G3	L10	F2				



MB-785 -B SIDE-  
1-668-606-12



DUS-139  
1-669-352-11



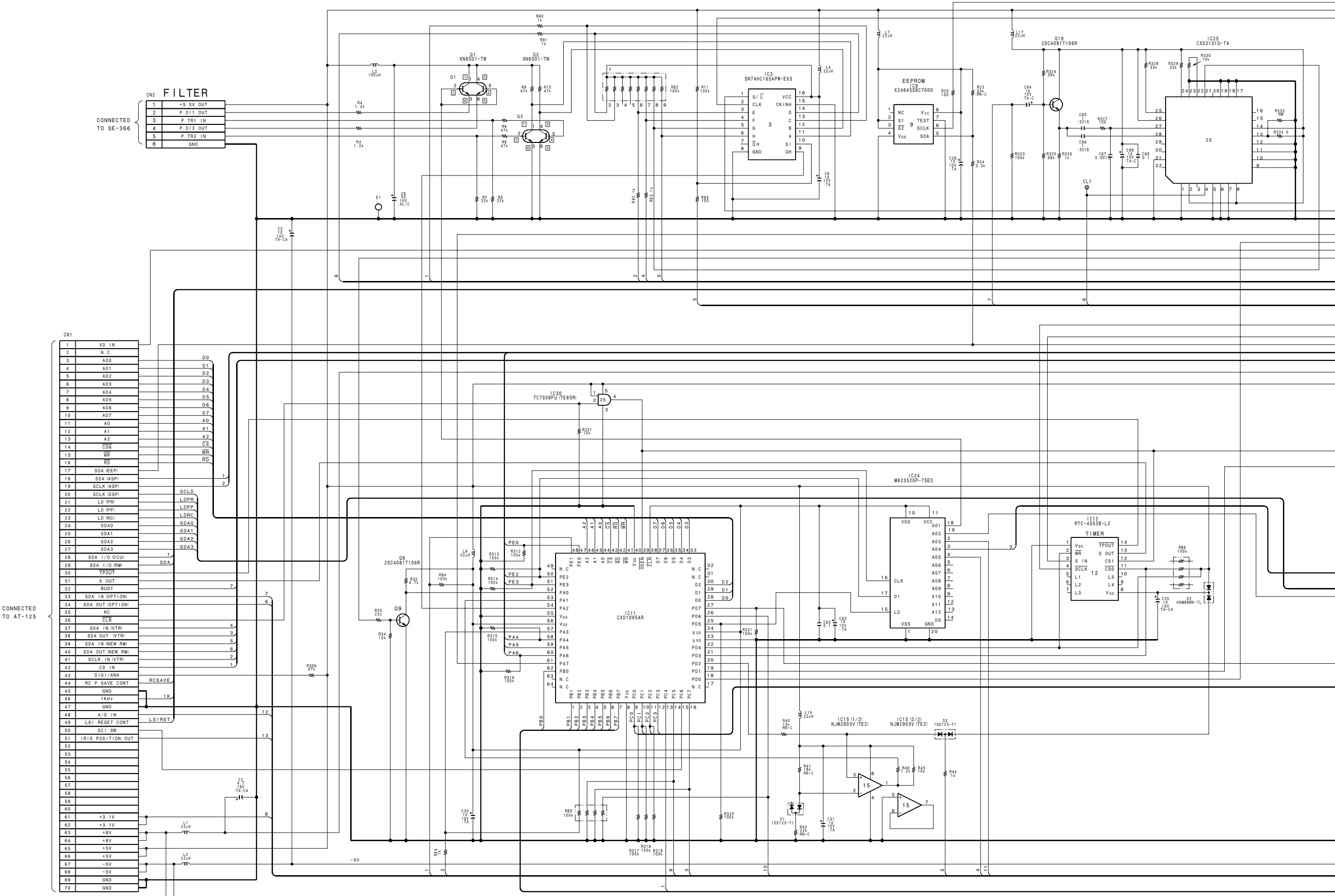
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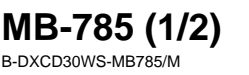
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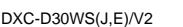
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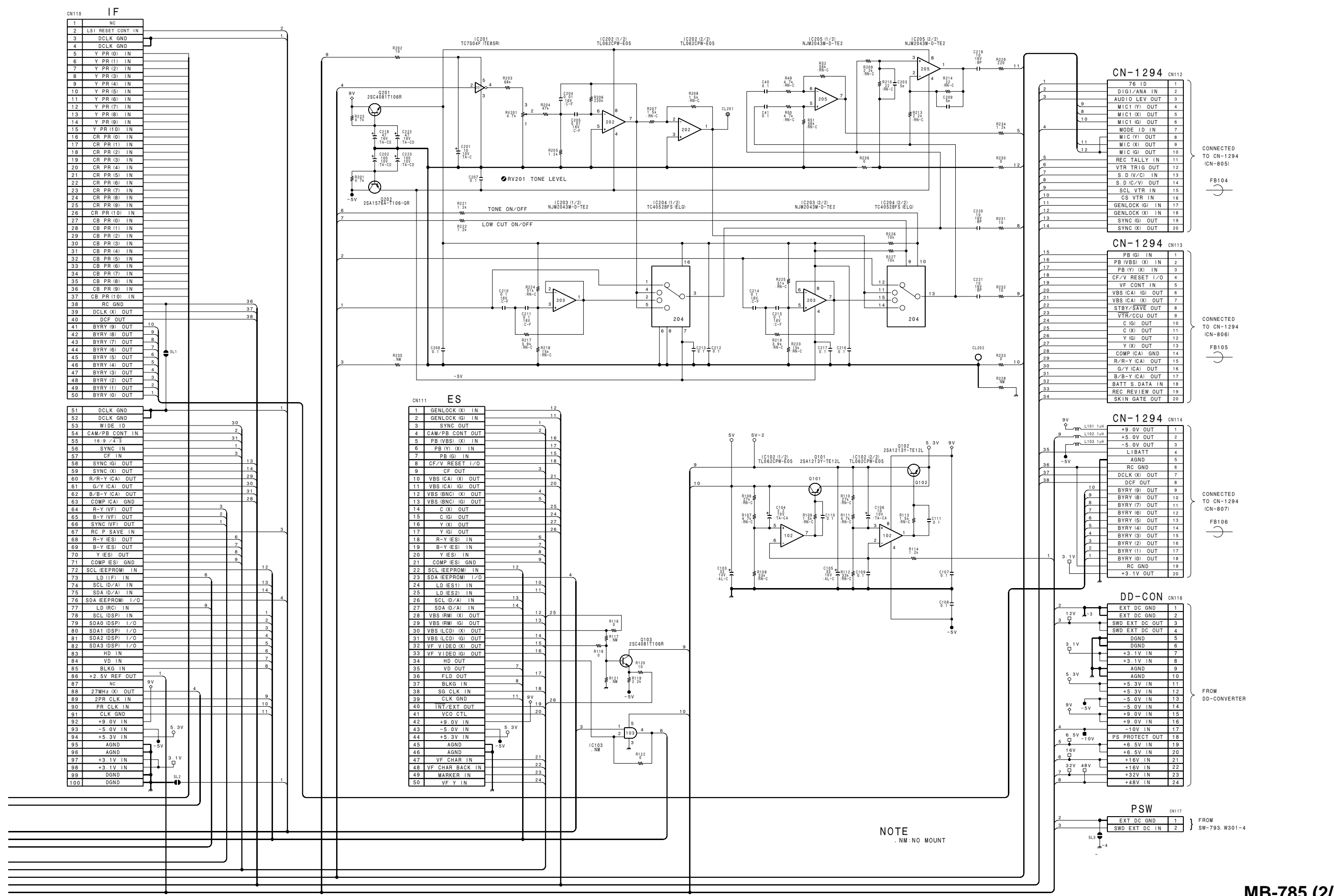
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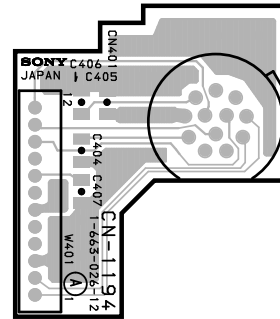




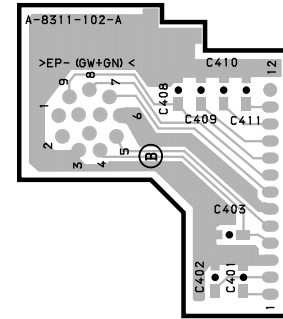




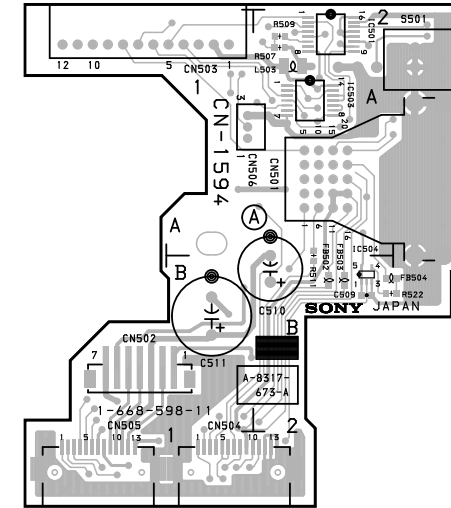




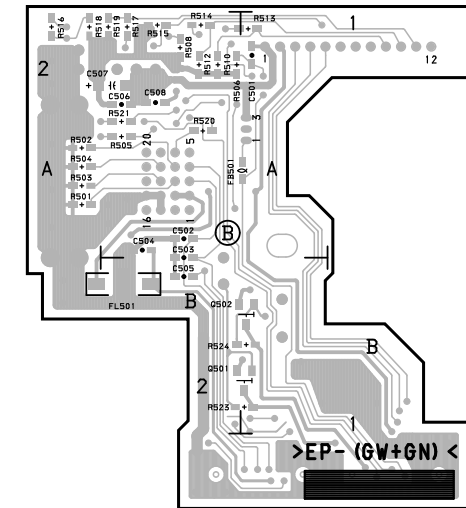
**CN-1194 -A SIDE-**  
1-663-026-12



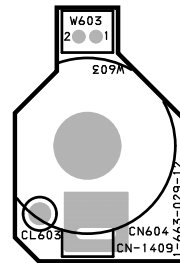
**CN-1194 -B SIDE-**  
1-663-026-12



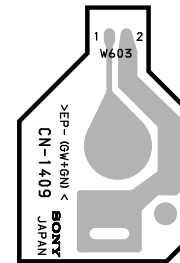
**CN-1594 -A SIDE-**  
1-668-598-11



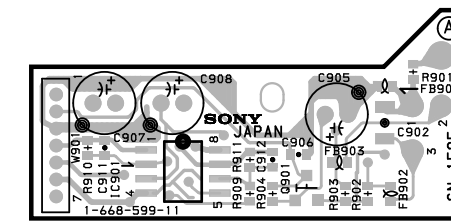
**CN-1594 -B SIDE-**  
1-668-598-11



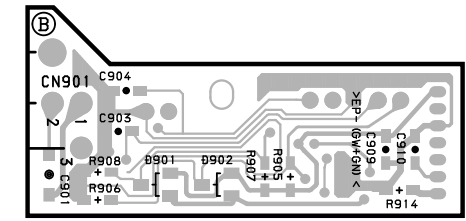
**CN-1409 -A SIDE-**  
1-663-029-12



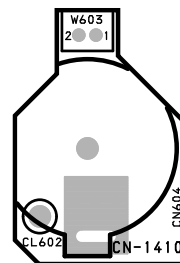
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1-663-029-12



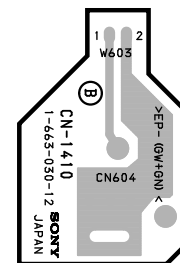
**CN-1595 -A SIDE-**  
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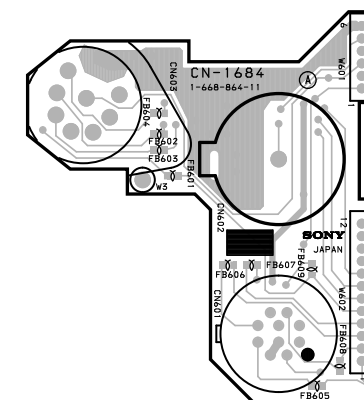
**CN-1595 -B SIDE-**  
1-668-599-11



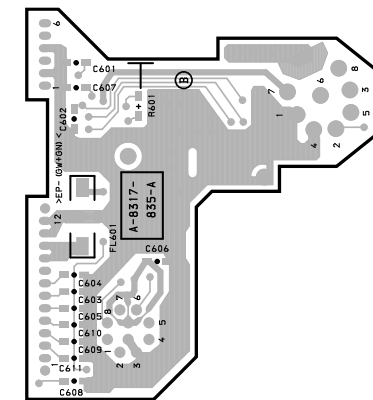
**CN-1410 -A SIDE-**  
1-663-030-12



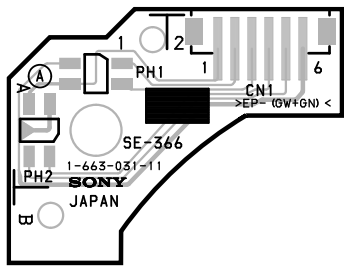
**CN-1410 -B SIDE-**  
1-663-030-12



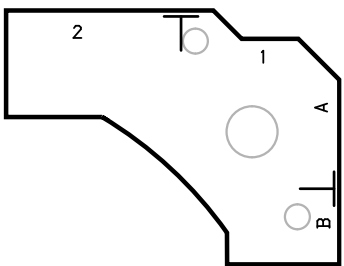
**CN-1684 -A SIDE-**  
1-668-864-11



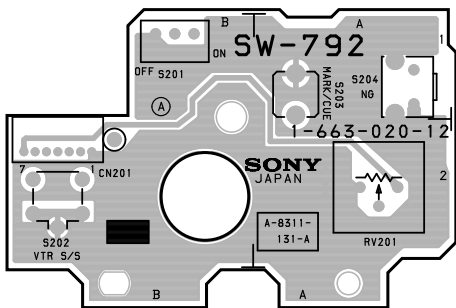
**CN-1684 -B SIDE-**  
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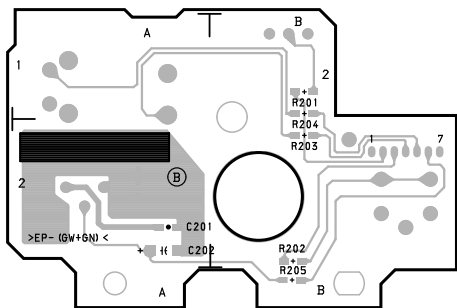
SE-366 -A SIDE-  
1-663-031-11



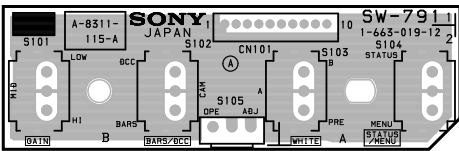
SE-366 -B SIDE-  
1-663-031-11



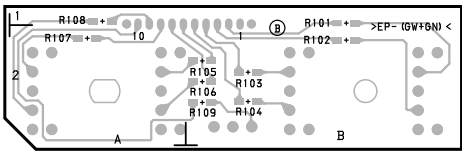
SW-792 -A SIDE-  
1-663-020-12



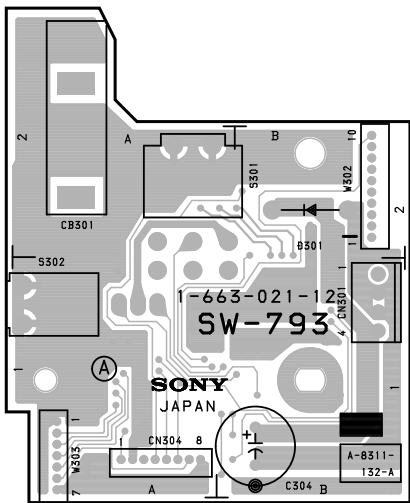
SW-792 -B SIDE-  
1-663-020-12



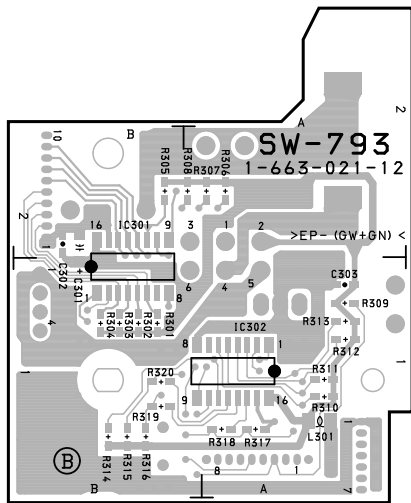
SW-791 -A SIDE-  
1-663-019-12



SW-791 -B SIDE-  
1-663-019-12



SW-793 -A SIDE-  
1-663-021-12



SW-793 -B SIDE-  
1-663-021-12

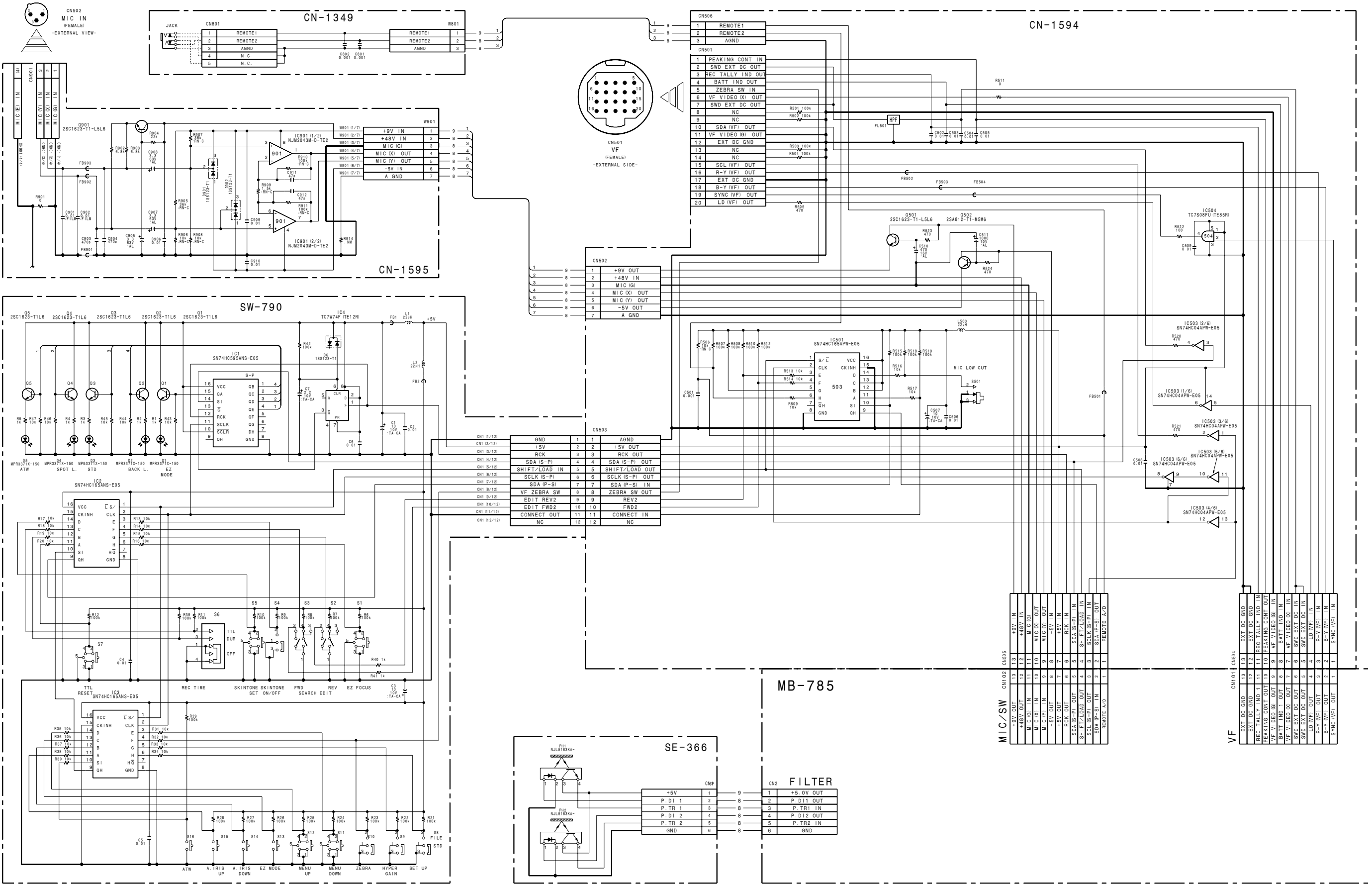
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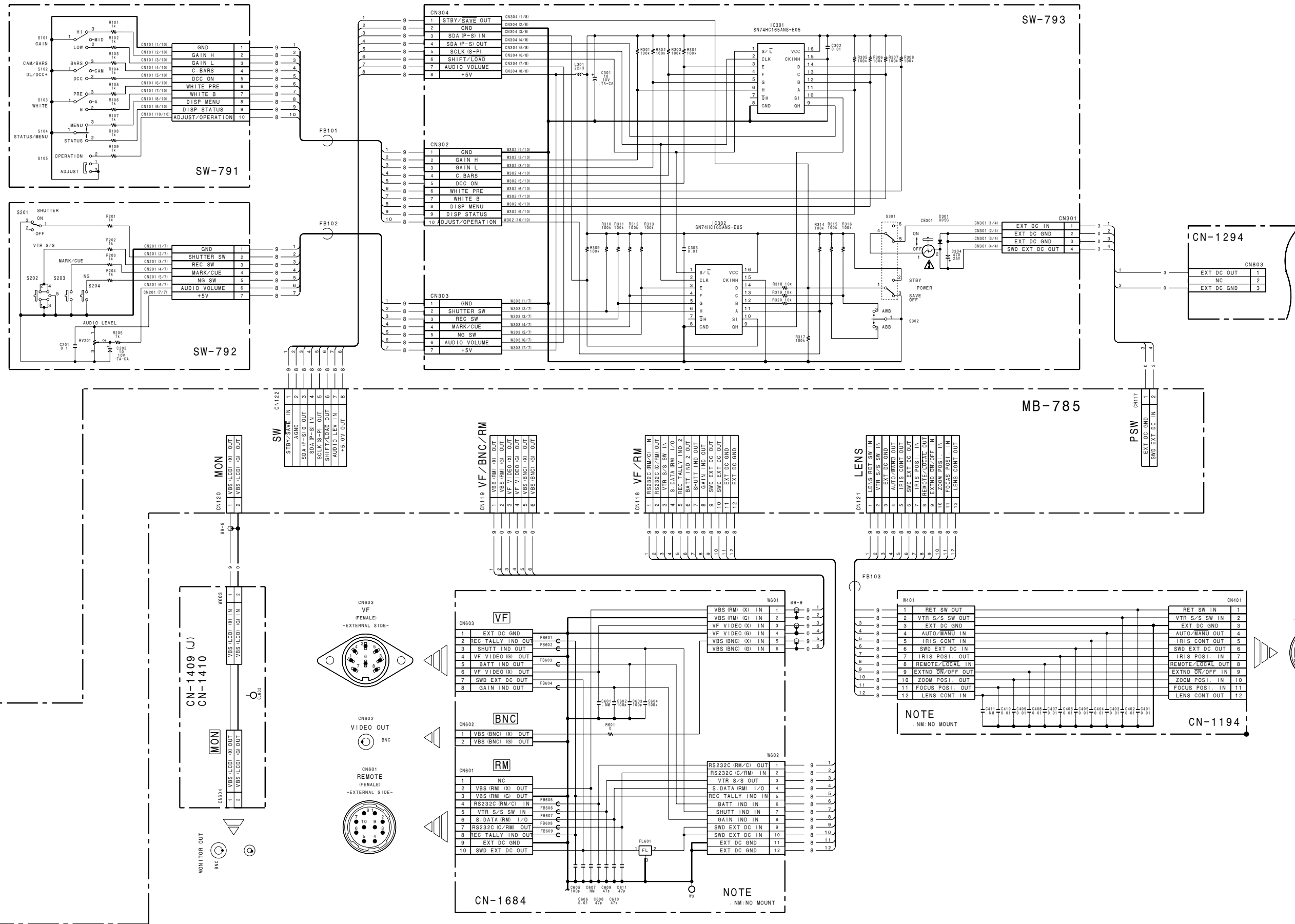
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4

5





FRAME

- CN-1194
- CN-1294
- CN-1349
- CN-1409 (J)
- CN-1410
- CN-1594
- CN-1595
- CN-1684
- MB-785
- SE-366
- SW-790
- SW-791
- SW-792
- SW-793

B-DXCD30WS-FRAME/M



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